

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Abietic acid	514-10-3				pos.			Mellanen et al. (1996)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Acenaphthene	83-32-9	neg.				neg.	96	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Acenaphthene	83-32-9					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Acenaphthylene	208-96-8	neg.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Acenaphthylene	208-96-8	neg.				neg.	100	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Acenaphthylene	208-96-8					neg.		Tran et al. (1996)
HEK293 hER (S)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	pos.						Seinen et al. (1999)
HEK293 hER (S)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	neg.						Seinen et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Acerinathrin	101007-06-1	neg.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Acerinathrin	101007-06-1				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Acrinathrin	101007-06-1				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Alachlor	15972-60-8				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Alachlor	15972-60-8		0.5					Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Alachlor	15972-60-8		40x (10 µM)*			neg.		Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Alachlor	15972-60-8	pos.	18.19					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ - gal(T)	Aldicarb	116-06-3	neg.	0.06			pos.	12%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Aldicarb	116-06-3		0.06				24%	Klotz et al. (1997)

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CHO-K1 hER (T)+Luc(T)†	Aldosterone	52-39-1	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Allenolic acid	553-39-9				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	-trans -Allethrin	584-79-2				pos.			Go et al. (1999)
MCF-7(E3) hER(E)+CP	2-Aminoestratriene-3,17 -diol	107900-30-1			0.558	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Aminoestratriene-3,17 -diol	107900-31-2			0.346	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	1-Aminoestratrien-17 -ol				28.4	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	2-Aminoestratrien-17 -ol	17522-06-4			0.127	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	3-Aminoestratrien-17 -ol				1.5	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Aminoestratrien-17 -ol	17522-04-2			2	pos.			Wiese et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Aminotriazole	61-82-5	pos.	17.78					Petit et al. (1997)
MCF-7 hER(E)+CP	4- <i>tert</i> -Amylphenol	80-46-6				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	4- <i>tert</i> -Amylphenol	80-46-6	pos.	0.000005					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	4- <i>tert</i> -Amylphenol	80-46-6	pos.	0.000004	50				Routledge and Sumpter (1997)
MCF-7(E3) hER(E)+CP	5 -Androstan-3 ,17 -diol	1852-53-5			0	neg.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	5 -Androstan-3 ,17 -diol	571-20-0			4.66	pos.			Wiese et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Androstenediol	1156-92-9	pos.	0.023					Coldham et al. (1997)
MCF-7(E3) hER(E)+CP	5-Androstenediol	521-17-5			1.41	pos.			Wiese et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Androstenedione	63-05-8	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Androstenedione	63-05-8	neg.	0					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	4-Androstenedione	63-05-8	neg.						Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Anthanthrene	191-26-4	neg.				neg.	97	Tran et al. (1996)

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Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Anthanthrene	191-26-4					neg.		Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Anthracene	120-12-7	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Anthracene	120-12-7				neg.	neg.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Anthracene	120-12-7	neg.				neg.	97	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Anthracene	120-12-7					neg.		Tran et al. (1996)
HEK-293 hER ()+ Luc(T)	Apigenin	520-36-5	pos.	40			pos.	68.1	Collins-Burow et al. (2000)
HEK-293 hER ()+ Luc(T)	Apigenin	520-36-5	weak				pos.	78.3	Collins-Burow et al. (2000)
HEK293 hER (T)+Luc(T)+ -gal(T)	Apigenin	520-36-5	pos.	50			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ -gal(T)	Apigenin	520-36-5	pos.	49			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Apigenin	520-36-5	pos.	27.3					Miksicek (1993)
MCF-7 hER(E)+CP	Apigenin	520-36-5				pos.			Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Apigenin	520-36-5	pos.	60			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Apigenin	520-36-5				neg.	pos.		Collins-Burow et al. (2000)
BG-1 hER(E)+Luc(S)	Aroclor 1016	12674-11-2	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Aroclor 1221	11104-28-2	pos.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Aroclor 1221	11104-28-2	pos.	56.21					Petit et al. (1997)
BG-1 hER(E)+Luc(S)	Aroclor 1232	11141-16-5	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Aroclor 1242	53469-21-9	pos.						Xenobiotic Detection Systems (2001)

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BG-1 hER(E)+Luc(S)	Aroclor 1248	12672-29-6	neg.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Aroclor 1248	12672-29-6	pos.	37.47					Petit et al. (1997)
BG-1 hER(E)+Luc(S)	Aroclor 1254	11097-69-1	neg.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Aroclor 1260	11096-82-5	neg.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Aroclor 1268	11100-14-4	pos.	61.08					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Atrazine	1912-24-9	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER(S)+Luc(S)	Atrazine	1912-24-9	neg.						Balaguer et al. (1996)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Atrazine	1912-24-9	neg.	0			neg.		Connor et al. (1996)
MCF-7 hER(E)+CP	Atrazine	1912-24-9				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Atrazine	1912-24-9	neg.				neg.		Graumann et al. (1999)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Atrazine	1912-24-9	pos.	16.51					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ - gal(T)	Baygon	114-26-1	neg.	0.07			pos.	46%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Baygon	114-26-1		0.07				30%	Klotz et al. (1997)
Ishikawa hER(T)+Luc(T)+ - gal(T)	Bendiocarb	22781-23-3	neg.	0.07			pos.	43%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Bendiocarb	22781-23-3				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Bendiocarb	22781-23-3		0.07				30%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Benomyl	17804-35-2		0.04					Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Benomyl	17804-35-2		0 (10 µM)*			neg.		Klotz et al. (1996)

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Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	2,3-Benzanthracene	92-24-0	neg.				neg.	101	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	2,3-Benzanthracene	92-24-0					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Benz[<i>a</i>]anthracene	56-55-3	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benz[<i>a</i>]anthracene	56-55-3	pos.		4				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benz[<i>a</i>]anthracene	56-55-3	weak						Fertuck et al. (2001b)
MCF-7 hER(E)+CP(F)	Benz[<i>a</i>]anthracene	56-55-3				neg.	pos.		Arcaro et al. (1999b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benz[<i>a</i>]anthracene	56-55-3	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]carbazole	239-01-0	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]carbazole	239-01-0	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>c</i>]carbazole		weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>c</i>]carbazole		weak						Fertuck et al. (2001b)
MCF-7 hER(E)+CP(F)	Benzo[<i>b</i>]fluoranthene	205-99-2				neg.	pos.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Benzo[<i>b</i>]fluoranthene	205-99-2	neg.				neg.	94	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[<i>b</i>]fluoranthene	205-99-2					neg.		Tran et al. (1996)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Benzo[<i>j</i>]fluoranthene	205-82-3	neg.				neg.	100	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[<i>j</i>]fluoranthene	205-82-3					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Benzo[<i>k</i>]fluoranthene	207-08-9	pos.						Xenobiotic Detection Systems (2001)

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BG-1 hER(E)+Luc(S)	Benzo[<i>k</i>]fluoranthene	207-08-9	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>k</i>]fluoranthene	207-08-9	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Benzo[<i>k</i>]fluoranthene	207-08-9				neg.	pos.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Benzo[<i>k</i>]fluoranthene	207-08-9	neg.				neg.	101	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[<i>k</i>]fluoranthene	207-08-9					neg.		Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>b</i>]fluorene	243-17-4	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>b</i>]fluorene	243-17-4	weak						Fertuck et al. (2001b)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Benzo[<i>b</i>]fluorene	243-17-4	neg.				pos.	78	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[<i>b</i>]fluorene	243-17-4					neg.	97	Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>b</i>]naphtho[2, <i>I-d</i>]thiophene	239-35-0	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>b</i>]naphtho[2, <i>I-d</i>]thiophene	239-35-0	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>b</i>]naphtho[2,3- <i>d</i>]thiophene	243-46-9	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>b</i>]naphtho[2,3- <i>d</i>]thiophene	243-46-9	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>ghi</i>]perylene	191-24-2	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Benzo[<i>ghi</i>]perylene	191-24-2				neg.	neg.		Arcaro et al. (1999b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>c</i>]phenanthrene	195-19-7	neg.						Fertuck et al. (2001b)

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MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>c</i>]phenanthrene	195-19-7	neg.						Fertuck et al. (2001b)
ZR-75 hER(E)+CP	Benzophenone	119-61-9				neg.			Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-1	131-56-6	pos.	0.0003					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-2	131-55-5	pos.	0.0001					Miller et al. (2001)
MCF-7(Bos) hER(E)+CP	Benzophenone-3	131-57-7		105	3.73	pos.			Schlumpf et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-3	131-57-7	pos.	<0.00001					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-4	4065-45-6	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-6	131-54-4	pos.	<0.00000001					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-7	85-19-8	pos.	<0.000003					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-8	131-53-3	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzophenone-12	1843-05-6	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	Benzo[<i>a</i>]pyrene	50-32-8	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene	50-32-8	pos.	0.43					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene	50-32-8	pos.		1.3				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene	50-32-8	wi				neg.		Fertuck et al. (2001a)
MCF-7 hER(E)+CP(F)	Benzo[<i>a</i>]pyrene	50-32-8				neg.	pos.		Arcaro et al. (1999b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene	50-32-8		0.039	0.33		neg.		Fertuck et al. (2001a)

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Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Benzo[<i>a</i>]pyrene	50-32-8	neg.				pos.	77	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ - gal(S)	Benzo[<i>a</i>]pyrene	50-32-8					neg.	90	Tran et al. (1996)
MCF-7 hER(E)+CP(F)	Benzo[<i>e</i>]pyrene	192-97-2				neg.	pos.		Arcaro et al. (1999b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene-1,6-dione	3067-13-8	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene-1,6-dione	3067-13-8	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene-3,6-dione	3067-14-9	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene-3,6-dione	3067-14-9	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene-6,12-dione	3067-12-7	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Benzo[<i>a</i>]pyrene-6,12-dione	3067-12-7	ni						Fertuck et al. (2001a)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzylparaben	94-18-8	pos.	0.00025					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Benzyl salicylate	118-58-1	pos.	<0.000002					Miller et al. (2001)
T47D hER(E)+CP	Betulin	473-98-3				pos.			Mellanen et al. (1996)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ - gal(S)	Bifenix	42576-02-3	pos.	16.97					Petit et al. (1997)
HEK293 hER (T)+Luc(T)+ - gal(T)	Biochanin A	491-80-5	pos.	36			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ - gal(T)	Biochanin A	491-80-5	pos.	53			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Biochanin A	491-80-5	pos.	50	2				Miksicek (1994)
HeLa mER(T)+CAT(T)*	Biochanin A	491-80-5	pos.	7.4x (2 µM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Biochanin A	491-80-5				pos.	neg.		Makela et al. (1994)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Biochanin A	491-80-5	pos.	107			pos.		Collins-Burow et al. (2000)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Biochanin A	491-80-5	pos.	0.0091					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	Biochanin A	491-80-5	pos.	96.89					Petit et al. (1997)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Biochanin A	491-80-5	neg.				pos.		Morito et al. (2001b)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Biochanin A	491-80-5	neg.		0.2		pos.		Morito et al. (2001b)
Yeast(S.cer.) hER (S)+ -gal(S)	2,2'-Biphenol	1806-29-7	neg.						Miller et al. (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	2,2'-Biphenol	1806-29-7	pos.	18.17					Petit et al. (1997)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	Biphenyl	92-52-4	pos.	52.53					Petit et al. (1997)
HeLa mER(T)+CAT(T)	3,4-Biphenyldiol		pos.	41.6					Garner et al. (1999)
HEK293 hER (T)+Luc(T)+ -gal(T)	4,4'-Biphenyldiol	92-88-6	pos.	53					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ -gal(T)	4,4'-Biphenyldiol	92-88-6	pos.	72					Kuiper et al. (1998)
MCF-7 hER(E)+CP	4,4'-Biphenyldiol	92-88-6				pos.			Soto et al. (1995)
Yeast(S.cer.) hER (S)+ -gal(S)	4,4'-Biphenyldiol	92-88-6	pos.	0.0001					Miller et al. (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	4,4'-Biphenyldiol	92-88-6	pos.	96.06					Petit et al. (1997)
Yeast(S.cer.) hER (S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	0.0000005					Miller et al. (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	0.00000001	107				Vinggaard et al. (2000)
Yeast(S.cer.) hER(S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	0.000002	100				Routledge and Sumpter (1997)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	91.96					Petit et al. (1997)
Yeast(S.cer.) hER(S)+ -gal(S)	3-Biphenylol	580-51-8	pos.	0.000005	40				Routledge and Sumpter (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	3-Biphenylol	580-51-8	pos.	96.92					Petit et al. (1997)
MCF-7 hER(E)+CP	4-Biphenylol	92-69-3				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	4-Biphenylol	92-69-3				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4-Biphenylol	92-69-3	pos.	0.0001					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4-Biphenylol	92-69-3	pos.	0.00002	1				Vinggaard et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-Biphenylol	92-69-3	pos.	0.00002	10				Routledge and Sumpster (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	4-Biphenylol	92-69-3	pos.	139.02					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(2- <i>n</i> - butoxyethyl) phthalate	117-83-9	neg.						Harris et al. (1997)
MCF-7(E3) hER(E)+CP	Bisdesoxyestradiol	1217-09-0			201	pos.			Wiese et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisdesoxyestradiol	1217-09-0	pos.	0.00003	1.64				Elsby et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(ethoxyethyl) phthalate	605-54-9	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis[2-(2-ethoxyethoxyethyl] phthalate		neg.						Harris et al. (1997)
ZR-75 hER(E)+CP	Bis(2-ethylhexyl)adipate	103-23-1				neg.			Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(2-ethylhexyl) hexahydrophthalate		neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(2-ethylhexyl)isophthalate	137-89-3	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(2-ethylhexyl)isophthalate	137-89-3	neg.						Harris et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Bis(2-ethylhexyl)phthalate	117-81-7	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER def(S)+Luc(S)	Bis(2-ethylhexyl)phthalate	117-81-7	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Bis(2-ethylhexyl)phthalate	117-81-7		0					Zacharewski et al. (1998)

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MCF-7 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Harris et al. (1997)
MCF-7 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Jones et al. (1998)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Bis(2-ethylhexyl)phthalate	117-81-7	weak						Jobling et al. (1995)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Bis(2-ethylhexyl)phthalate	117-81-7	neg.	0					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Bis(2-ethylhexyl)phthalate	117-81-7	pos.	17.67					Petit et al. (1997)
ZR-75 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(2-ethylhexyl)phthalate	117-81-7	neg.						Harris et al. (1997)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bis(4-hydroxyphenyl)ethane	6052-84-2	pos.	85	1.6		neg.	110	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bis(4-hydroxyphenyl)ethane	6052-84-2	pos.	70	2.1		neg.	85µM	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bis(4-hydroxyphenyl)methane	620-92-8	pos.	55	1.5		neg.	120	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bis(4-hydroxyphenyl)methane	620-92-8	pos.	55	2		neg.	120µM	Gaido et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bis(4-hydroxyphenyl)methane	620-92-8	pos.	0.0001					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bis(methoxyethyl)phthalate	117-82-8	neg.						Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Bisphenol A	80-05-7	pos.	0.0044	0.23				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Bisphenol A	80-05-7	pos.	36					Rogers and Denison (2000)
CHO-K1 hER (S)+Luc(S)†	Bisphenol A	80-05-7	pos.		0.348				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Bisphenol A	80-05-7	pos.		0.253				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+ gal(T)	Bisphenol A	80-05-7	pos.	50					Kuiper et al. (1998)

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HEK293 hER (T)+Luc(T)+ - gal(T)	Bisphenol A	80-05-7	pos.	41					Kuiper et al. (1998)
HeLa hER (T)+Luc(T)	Bisphenol A	80-05-7	pos.						Tarumi et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bisphenol A	80-05-7	pos.	100	0.64		neg.	115	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bisphenol A	80-05-7	pos.	4.5	0.218				Gould et al. (1998)
HepG2 hER (T)+Luc(T)+ - gal(T)	Bisphenol A	80-05-7	pos.	45	0.89		neg.	90µM	Gaido et al. (2000)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Bisphenol A	80-05-7		0.0001	0.71				Matthews et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Bisphenol A	80-05-7		0.0002	0.45				Matthews et al. (2001)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)	Bisphenol A	80-05-7	pos.						Yoshihara et al. (2001)
MCF-7(BUS) hER(E)+CP	Bisphenol A	80-05-7				pos.			Schafer et al. (1999)
T47D hER(E)+CP	Bisphenol A	80-05-7				pos.			Schafer et al. (1999)
T47D hER(E)+Luc(S)	Bisphenol A	80-05-7	pos.	0.0078	0.77				Legler et al. (1999)
T47D hER(E)+Luc(S)	Bisphenol A	80-05-7	pos.		0.000033				Meerts et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.0001					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol A	80-05-7	pos.		0.00072- 0.854				De Boever et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.00007	0.71				Elsby et al. (2001)

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Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.0001					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol A	80-05-7	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)+S9*	Bisphenol A	80-05-7	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.000026					Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.00003	3.9				Rajapakse et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.0003	0.114				Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.005					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.00007	3.4				Gaido et al. (1997)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.		0.1				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.		0.1				Morito et al. (2001a)
ZR-75-1 hER(E)+CP	Bisphenol A	80-05-7				pos.			Schafer et al. (1999)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol A	80-05-7	pos.	0.000025	0.8				Vinggaard et al. (2000)
HeLa hER (T)+Luc(T)	Bisphenol A dimethacrylate	3253-39-2	pos.						Tarumi et al. (2000)
MCF-7 hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				pos.			Korner et al. (1998)
MCF-7(BUS) hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				pos.			Schafer et al. (1999)
T47D hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				pos.			Schafer et al. (1999)
ZR-75-1 hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				neg.			Schafer et al. (1999)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Bisphenol A glucuronide			0	0				Matthews et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Bisphenol A glucuronide			0	0				Matthews et al. (2001)

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CHO-K1 hER (S)+Luc(S)†	Bisphenol B	77-40-7	pos.		0.114				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Bisphenol B	77-40-7	pos.		0.0624				Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Bisphenol B	77-40-7	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)+S9*	Bisphenol B	77-40-7	pos.						Yoshihara et al. (2001)
CHO-K1 hER (S)+Luc(S)†	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.		0.0299				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.		0.0696				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	23.38					Hodges et al. (2000)
HeLa hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.03	0.03		pos.		Gaido et al. (1999)
HeLa hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.005	0.1		pos.		Gaido et al. (1999)
HeLa mER(T)+CAT(T)*	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	67 (1 µM)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	7.84	0.051		neg.		Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	100	0.051		neg.	110	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	50	0.03		pos.		Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	80	0.01		pos.		Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	30			pos.	35µM	Gaido et al. (2000)
HepG2 rER (T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	10	0.01		neg.		Gaido et al. (1999)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.19	0.05				Charles et al. (2000a)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.0001					Beresford et al. (2000)

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Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.0004	0.128				Elsby et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	2,2-Bis(<i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.003	0.05				Odum et al. (1997)
MCF-7 hER(E)+CP	6-Bromo-2-naphthol	15231-91-1				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Bromopropylate	18181-80-1				neg.			Vinggaard et al. (1999)
T47D hER(E)+Luc(S)	2-Bromo-4-(2,4,6-tribromophenoxy)phenol		neg.		0.00002		neg.		Meerts et al. (2001)
MCF-7 hER(E)+CP	4-Butoxyphenol	122-94-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Butylate	2008-41-5				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Butylated hydroxyanisole	25013-16-5	pos.						Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Butylated hydroxyanisole	25013-16-5	pos.	<0.0000005					Miller et al. (2001)
ZR-75 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				pos.			Jobling et al. (1995)
MCF-7 hER(E)+CP	Butylated hydroxytoluene	128-37-0				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Butylated hydroxytoluene	128-37-0				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Butylated hydroxytoluene	128-37-0	weak						Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Butylated hydroxytoluene	128-37-0	pos.	<0.0000001					Miller et al. (2001)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Butylated hydroxytoluene	128-37-0	neg.	0					Coldham et al. (1997)
ZR-75 hER(E)+CP	Butylated hydroxytoluene	128-37-0				pos.			Jobling et al. (1995)
ZR-75 hER(E)+CP	<i>n</i> -Butylbenzene	104-51-8				neg.			Jobling et al. (1995)
CHO-K1 hER (T)+Luc(T)†	Butyl benzyl phthalate	85-68-7	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER def(S)+Luc(S)	Butyl benzyl phthalate	85-68-7	pos.	34					Zacharewski et al. (1998)

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MCF-7 hER def(T)+Luc(T)+ - gal(T)	Butyl benzyl phthalate	85-68-7		46					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Harris et al. (1997)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Butyl benzyl phthalate	85-68-7	pos.				neg.		Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Butyl benzyl phthalate	85-68-7	pos.	0.0000025					Beresford et al. (2000)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Butyl benzyl phthalate	85-68-7	pos.	0.0004					Coldham et al. (1997)
ZR-75 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Butyl benzyl phthalate	85-68-7	pos.	0.00001					Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Butylcatechol	98-29-3	pos.	0.000003					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Butyl cyclohexyl phthalate	84-64-0	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Butyl decyl phthalate	89-19-0	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Butyl 2-ethylhexyl phthalate	85-69-8	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	5- <i>tert</i> -Butyl-4-hydroxy-2-methyl-phenyl sulfide	96-69-5	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Butyl isodecyl phthalate	42343-36-2	neg.						Harris et al. (1997)
MCF-7(Bos) hER(E)+CP	Butyl methoxydibenzoylmethane	70356-09-1		21.01		neg.			Schlumpf et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Butyl octyl phthalate	84-78-6	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Butylparaben	94-26-8	pos.	0.0001					Miller et al. (2001)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	2- <i>tert</i> -Butylphenol	88-18-6	neg.	0					Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	3- <i>tert</i> -Butylphenol	585-34-2	neg.						Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	4- <i>sec</i> -Butylphenol	99-71-8				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>sec</i> -Butylphenol	99-71-8	pos.	0.0000003	666				Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	4- <i>tert</i> -Butylphenol	98-54-4				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	4- <i>tert</i> -Butylphenol	98-54-4				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Butylphenol	98-54-4	variable						Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Butylphenol	98-54-4	pos.	0.0000003					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>tert</i> -Butylphenol	98-54-4	pos.	0.0000008	250				Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	Caffeine	58-08-2				neg.			Jones et al. (1998)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Captan	133-06-2	pos.	13.93					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ - gal(T)	Carbaryl	63-25-2	neg.	0.07			pos.	34%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Carbaryl	63-25-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	Carbaryl	63-25-2		0.07				29%	Klotz et al. (1997)
BG-1 hER(E)+Luc(S)	Carbazole	86-74-8	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Carbofuran	1563-66-2				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Carbofuran	1563-66-2	pos.	16.82					Petit et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Carbosulfan	55285-14-8	pos.	14.09					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Carvacrol	499-75-2	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Catechol	120-80-9	neg.						Miller et al. (2001)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Chlordane	57-74-9				neg.			Soto et al. (1995)
T47D hER(E)+Luc(S)	Chlordane	57-74-9	pos.	0.00096	6.24				Legler et al. (1999)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Chlordane	57-74-9	pos.	6x (25 µM)*					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Chlordane	57-74-9	pos.	0.6x (100 µM)*					Ramamoorthy et al. (1997a)
BG-1 hER(E)+Luc(S)	-Chlordane	5103-71-9	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	-Chlordane	5103-74-2	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Chlordimeform	6164-98-3				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Chlорfenвinphos	470-90-6				neg.			Vinggaard et al. (1999)
MCF-7(E3) hER(E)+CP	Chlorobenzilate	510-15-6				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	2-Chlorobiphenyl	2051-60-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2-Chlorobiphenyl	2051-60-7				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP	4-Chlorobiphenyl	2051-62-9				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	4-Chlorobiphenyl	2051-62-9				pos.	pos.		Gierthy et al. (1997)
MCF-7 hER(E)+CP(F)	2-Chloro-4-biphenylol	23719-22-4				pos.	neg.		Gierthy et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2'-Chloro-4-biphenylol		pos.	0.0037					Coldham et al. (1997)
MCF-7 hER(E)+CP(F)	4-Chloro-4'-biphenylol	28034-99-3				pos.	neg.		Gierthy et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Chloro-4'-biphenylol	28034-99-3	pos.	0.06					Coldham et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4-Chloro-3,5-dimethylphenol	88-04-0	pos.	0.000001					Miller et al. (2001)
MCF-7 hER(E)+CP	11 -Chloromethylestradiol	71794-60-0				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	4-Chloro-2-methylphenol	1570-64-5				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	4-Chloro-3-methylphenol	59-50-7				pos.			Korner et al. (1998)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4-Chloro-3-methylphenol	59-50-7	pos.	0.0000003					Miller et al. (2001)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4-Chloro-3-methylphenol	59-50-7	pos.	0.000000005	378				Vinggaard et al. (2000)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Chlorosulfuron	64902-72-3	pos.	14.98					Petit et al. (1997)
MCF-7 hER(E)+CP	Chlorothalonil	1897-45-6				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Chlorothalonil	1897-45-6	pos.	11.33					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Chlorothymol	89-68-9	pos.	0.0000025					Miller et al. (2001)
MCF-7 hER(E)+CP	Chlorpyrifos	2921-88-2				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Chlorpyrifos	2921-88-2				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Cholesterol	57-88-5				neg.			Jones et al. (1998)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Cholesterol	57-88-5	neg.	0					Coldham et al. (1997)
BG-1 hER(E)+Luc(S)	Chrysene	218-01-9	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Chrysene	218-01-9	pos.		5.5				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Chrysene	218-01-9	neg.						Fertuck et al. (2001b)
MCF-7 hER(E)+CP(F)	Chrysene	218-01-9				neg.	pos.		Arcaro et al. (1999b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	Chrysene	218-01-9	neg.						Fertuck et al. (2001b)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	Chrysene	218-01-9	neg.				neg.	97	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Chrysene	218-01-9					neg.		Tran et al. (1996)
HEK293 hER (T)+Luc(T)+ - gal(T)	Chrysin	480-40-0	neg.	1			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ - gal(T)	Chrysin	480-40-0	pos.	2			neg.		Kuiper et al. (1998)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Chrysin	480-40-0	pos.	125			pos.		Collins-Burow et al. (2000)

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MCF-7(M) hER(E)+CP	Chrysin	480-40-0					pos.		Collins-Burow et al. (2000)
T47D hER(E)+CP	Citrostadienol					neg.			Mellanen et al. (1996)
CHO-K1 hER (T)+Luc(T)†	<i>trans</i> -Clomiphene	911-45-5	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	<i>trans</i> -Clomiphene	911-45-5	pos.	0.00002	9.97				Gaido et al. (1997)
Yeast(S.cer.) hER(S)+ -gal(S)	Cocobetaine	68411-97-2	neg.						Routledge and Sumpter (1996)
Yeast(S.cer.) hER(S)+ -gal(S)	Coconut amido betaine		neg.						Routledge and Sumpter (1996)
MCF-7 hER(E)+CP	Corn oil	8001-30-7				neg.			Go et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Corticosterone	50-22-6	neg.		0				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cortisol	50-23-7	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(S.cer.) hER(S)+ -gal(S)	Cortisol	50-23-7	neg.						Routledge and Sumpter (1996)
Yeast(S.cer.) hER(S)+ -gal(S)	Cortisol	50-23-7	neg.	0					Routledge and Sumpter (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Cortisol	50-23-7	neg.	0					Coldham et al. (1997)
BG-1 hER(E)+Luc(S)	Coumestrol	479-13-0	pos.	0.1	0.01				Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Coumestrol	479-13-0	pos.		0.0168				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Coumestrol	479-13-0	pos.	102			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Coumestrol	479-13-0	pos.	98			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Coumestrol	479-13-0	pos.	153.75	0.015				Miksicek (1994)
HeLa mER(T)+CAT(T)	Coumestrol	479-13-0		111		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	Coumestrol	479-13-0	pos.	60x (100 nM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Coumestrol	479-13-0				pos.			Dodge et al. (1996)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Coumestrol	479-13-0				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Coumestrol	479-13-0				pos.			Soto et al. (1995)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Coumestrol	479-13-0	pos.	56			pos.		Collins-Burow et al. (2000)
T47D hER(E)+CP	Coumestrol	479-13-0				pos.	neg.		Makela et al. (1994)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Coumestrol	479-13-0	pos.	0.67					Coldham et al. (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Coumestrol	479-13-0	pos.	0.013	0.0174				Gaido et al. (1997)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Coumestrol	479-13-0	pos.		0.04		neg.		Morito et al. (2001b)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Coumestrol	479-13-0	pos.		0.02		neg.		Morito et al. (2001b)
BG-1 hER(E)+Luc(S)	Creosote	8001-58-9	neg.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	<i>o</i> -Cresol	95-48-7	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	<i>o</i> -Cresol	95-48-7	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	<i>p</i> -Cresol	106-44-5	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	<i>p</i> -Cresol	106-44-5	neg.						Miller et al. (2001)
Yeast(S.cer.) hER(S)+ -gal(S)	<i>p</i> -Cresol	106-44-5	neg.						Routledge and Sumpter (1997)
BG-1 hER(E)+Luc(S)	Cumene	98-82-8	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (S)+Luc(S)†	<i>p</i> -Cumylphenol	599-64-4	pos.		0.395				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	<i>p</i> -Cumylphenol	599-64-4	pos.		0.248				Otsuka Pharmaceutical (2001)
HeLa hER(T)+CAT(T)	Curcumin	458-37-7	neg.	5					Miksicek (1994)
MCF-7 hER(E)+CP	Cyanazine	21725-46-2				neg.			Soto et al. (1995)

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CHO-K1 hER (T)+Luc(T)†	Cycloprothrin	63935-38-6	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cycloprothrin	63935-38-6				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cycloprothrin	63935-38-6				neg.			Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cyfluthrin	68359-37-5	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyfluthrin	68359-37-5				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyfluthrin	68359-37-5				pos.			Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cyhalothrin	68085-85-8	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyhalothrin	68085-85-8				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyhalothrin	68085-85-8				pos.			Otsuka Pharmaceutical (2001)
BG-1 hER(E)+Luc(S)	p -Cymene	99-87-6	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Cypermethrin	52315-07-8	neg.						Otsuka Pharmaceutical (2001)
HeLa hER (T)+Luc(T)	Cypermethrin	52315-07-8	neg.	9.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Cypermethrin	52315-07-8				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cypermethrin	52315-07-8				pos.			Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cyproterone acetate	427-51-0	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Dacthal	1861-32-1				neg.			Soto et al. (1995)
BG-1 hER(E)+Luc(S)	Daidzein	486-66-8	pos.	0.002	0.49				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Daidzein	486-66-8	pos.	44					Rogers and Denison (2000)
HEK293 hER (T)+Luc(T)+gal(T)	Daidzein	486-66-8	pos.	97			neg.		Kuiper et al. (1998)

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HEK293 hER (T)+Luc(T)+gal(T)	Daidzein	486-66-8	pos.	80			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Daidzein	486-66-8	pos.	95	0.09				Miksicek (1994)
MCF-7 hER(E)+CP	Daidzein	486-66-8			0.4	pos.			Ichikawa et al. (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Daidzein	486-66-8	pos.	0.0013					Coldham et al. (1997)
MCF-7 hER(E)+CP	Daidzein	486-66-8				pos.			Morito et al. (2001a)
Yeast(S.cer.) hER (S)+ -gal(S)	Daidzein	486-66-8	neg.						De Boever et al. (2001)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzein	486-66-8	pos.		30				Morito et al. (2001a)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzin	552-66-9	pos.		5				Morito et al. (2001a)
MCF-7 hER(E)+CP	Daidzin	552-66-9				pos.			Morito et al. (2001a)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzin	552-66-9	pos.		100				Morito et al. (2001a)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzin	552-66-9	neg.						Morito et al. (2001a)
Yeast(S.cer. .939) hER(S)+ -gal(S)	p,p '-DDA	83-05-6	neg.	0					Chen et al. (1997)
Yeast(S.cer. CYT10-5d) hER(S)+ -gal(S)	p,p '-DDA	83-05-6	neg.	0					Chen et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	o,p '-DDD	53-19-0		0.43					Klotz et al. (1996)
Yeast(S.cer. .939) hER(S)+ -gal(S)	o,p '-DDD	53-19-0	pos.	0.581					Chen et al. (1997)
Yeast(S.cer. BJ2407) hER(S)+ -gal(S)	o,p '-DDD	53-19-0		35x (10 µM)*			neg.		Klotz et al. (1996)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	o,p '-DDD	53-19-0	pos.	0.00000004	3320				Gaido et al. (1997)
Yeast(S.cer. CYT10-5d) hER(S)+ -gal(S)	o,p '-DDD	53-19-0	pos.	105x (10 µM)*					Chen et al. (1997)
BG-1 hER(E)+Luc(S)	o,p '-DDD	53-19-0	pos.						Xenobiotic Detection Systems (2001)

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CHO-K1 hER (T)+Luc(T)†	<i>p,p</i> '-DDD	72-54-8	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+Luc(T)+ - gal(T)	<i>p,p</i> '-DDD	72-54-8		0.87					Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	<i>p,p</i> '-DDD	72-54-8		85x (10 μM)*			pos.	11uM	Klotz et al. (1996)
CHO-K1 hER (T)+Luc(T)†	<i>o,p</i> '-DDE	3424-82-6	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	<i>o,p</i> '-DDE	3424-82-6				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i> .939) hER(S)+ - gal(S)	<i>o,p</i> '-DDE	3424-82-6	pos.	0.675					Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>o,p</i> '-DDE	3424-82-6	pos.	0.00004					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>o,p</i> '-DDE	3424-82-6	pos.	0.0000004	5340				Gaido et al. (1997)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>o,p</i> '-DDE	3424-82-6	pos.	101x (10 μM)*					Chen et al. (1997)
BG-1 hER(E)+Luc(S)	<i>p,p</i> '-DDE	72-55-9	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	<i>p,p</i> '-DDE	72-55-9	neg.		0				Otsuka Pharmaceutical (2001)
HepG2 hER (T)+Luc(T)+ - gal(T)	<i>p,p</i> '-DDE	72-55-9	pos.	20			neg.	80	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	<i>p,p</i> '-DDE	72-55-9	pos.	10			neg.	100μM	Gaido et al. (2000)
MCF-7 hER(E)+CP	<i>p,p</i> '-DDE	72-55-9			3	pos.			Payne et al. (2001)
MCF-7 hER(E)+CP	<i>p,p</i> '-DDE	72-55-9				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	<i>p,p</i> '-DDE	72-55-9				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i> .939) hER(S)+ - gal(S)	<i>p,p</i> '-DDE	72-55-9	neg.	0					Chen et al. (1997)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>p,p</i> '-DDE	72-55-9	neg.	0					Chen et al. (1997)
BG-1 hER(E)+Luc(T)	<i>o,p</i> '-DDT	789-02-6	pos.	56					Rogers and Denison (2000)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	<i>o,p</i> '-DDT	789-02-6	neg.		0				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	<i>o,p</i> '-DDT	789-02-6	pos.	54					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	<i>o,p</i> '-DDT	789-02-6	pos.	10					Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	<i>o,p</i> '-DDT	789-02-6	pos.	31 (10 µM)					Shelby et al. (1996)
MCF-7 hER(E)+CP	<i>o,p</i> '-DDT	789-02-6			0.8	pos.			Payne et al. (2001)
MCF-7 hER(E)+CP	<i>o,p</i> '-DDT	789-02-6				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	<i>o,p</i> '-DDT	789-02-6				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+gal(T)	<i>o,p</i> '-DDT	789-02-6		1.04					Klotz et al. (1996)
T47D hER(E)+Luc(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.0091	0.66				Legler et al. (1999)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.00002					Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.00006	2.2				Rajapakse et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.0002	0.18				Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.655					Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.001	0.2				Arnold et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6		95x (10 uM)*			pos.	1uM	Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.00011					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	0.0000001	1810				Gaido et al. (1997)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	110x (10 µM)*					Chen et al. (1997)
Yeast(<i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	<i>o,p</i> '-DDT	789-02-6	pos.	3.2x (10 µM)*					Lascombe et al. (2000)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(MELN41) hER(E)+Luc(S)	<i>o,p</i> '-DDT	789-02-6	pos.						Lascombe et al. (2000)
MCF-7(MELN41) hER(E)+Luc(S)	(-) <i>o,p</i> '-DDT	58633-26-4	pos.						Lascombe et al. (2000)
MCF-7(MELN41) hER(E)+Luc(S)	(+) <i>o,p</i> '-DDT	58633-27-5	pos.						Lascombe et al. (2000)
BG-1 hER(E)+Luc(S)	<i>p,p</i> '-DDT	50-29-3	pos.						Xenobiotic Detection Systems (2001)
HEK293 hER (T)+Luc(T)+ gal(T)	<i>p,p</i> '-DDT	50-29-3	pos.	7					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	<i>p,p</i> '-DDT	50-29-3	pos.	2					Kuiper et al. (1998)
MCF-7 hER(E)+CP	<i>p,p</i> '-DDT	50-29-3			5	pos.			Payne et al. (2001)
MCF-7 hER(E)+CP	<i>p,p</i> '-DDT	50-29-3				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>p,p</i> '-DDT	50-29-3	pos.		1.01-3.27				De Boever et al. (2001)
Yeast(<i>S.cer.</i> .939) hER(S)+ - gal(S)	<i>p,p</i> '-DDT	50-29-3	pos.	0.495					Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>p,p</i> '-DDT	50-29-3	pos.	0.00003					Coldham et al. (1997)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>p,p</i> '-DDT	50-29-3	pos.	98x (10 µM)*					Chen et al. (1997)
MCF-7 hER(E)+CP	DDT (technical)	8017-34-3				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	DDT (technical)	8017-34-3				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Decachlorobiphenyl	2051-24-3				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	2-sec -Decylphenol		neg.	0					Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-sec -Decylphenol		pos.	0.00001	2				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Dehydroepiandrosterone	53-43-0	pos.	0.0018					Coldham et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Deltamethrin	52918-63-5	pos.						Otsuka Pharmaceutical (2001)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Deltamethrin	52918-63-5				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Deltamethrin	52918-63-5				pos.			Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Deltamethrin	52918-63-5	pos.	16.07					Petit et al. (1997)
Yeast(<i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Desethylatrazine		neg.				neg.		Graumann et al. (1999)
Yeast(<i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Desisopropylatrazine		neg.				neg.		Graumann et al. (1999)
BG-1 hER(E)+Luc(T)	Dexamethasone	50-02-2	pos.	9					Rogers and Denison (2000)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	Dexamethasone	50-02-2	neg.	0					Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Dexamethasone	50-02-2	neg.						Arnold et al. (1996)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Dexamethasone	50-02-2	pos.	13					Petit et al. (1999)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	Dexamethasone	50-02-2	neg.	0					Chen et al. (1997)
MCF-7 hER(E)+CP	Diamyl phthalate	131-18-0				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Diamyl phthalate	131-18-0	neg.						Harris et al. (1997)
MCF-7 hER(E)+CP	Diazinon	333-41-5				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Dibenz[a,c]anthracene	215-58-7	neg.				neg.	102	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Dibenz[a,c]anthracene	215-58-7					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Dibenz[a,h]anthracene	53-70-3	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Dibenz[a,h]anthracene	53-70-3	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Dibenz[a,h]anthracene	53-70-3				neg.	pos.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Dibenz[a,h]anthracene	53-70-3	neg.				pos.	54	Tran et al. (1996)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Dibenz[a,h]anthracene	53-70-3					pos.	76	Tran et al. (1996)
T47D hER(E)+Luc(S)	3,3'-Dibromobisphenol A		pos.		0.000025				Meerts et al. (2001)
T47D hER(E)+Luc(S)	2,6-Dibromo-4-(2,4,6-tribromophenoxy)phenol		neg.				neg.		Meerts et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	2,4-Di- <i>tert</i> -butyl-6(5-chloro-2H-benzotriazol-2-yl)phenol	3864-99-1	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	2,6-Di- <i>tert</i> -butyl-4-(dimethylamino-methyl)phenol	88-27-7	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	4,6,-Di- <i>tert</i> -butyl-2,2'-ethylidene	35958-30-6	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	2,4-Dibutylphenol		neg.						Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	2,6-Dibutylphenol		neg.						Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	2,6-Di- <i>tert</i> -butylphenol	128-39-2	pos.	<0.00000005					Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Dibutyl phthalate	84-74-2	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER def(S)+Luc(S)	Dibutyl phthalate	84-74-2	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Dibutyl phthalate	84-74-2		37					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Harris et al. (1997)
MCF-7 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Dibutyl phthalate	84-74-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Dibutyl phthalate	84-74-2	pos.				neg.		Jobling et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Dibutyl phthalate	84-74-2	pos.	0.00000002	74				Vinggaard et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Dibutyl phthalate	84-74-2	pos.	0.00001					Harris et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Dibutyl phthalate	84-74-2	neg.	0					Coldham et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Dibutyl phthalate	84-74-2	pos.	23.57					Petit et al. (1997)
ZR-75 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Jobling et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Dicamba	1918-00-9	pos.	17.74					Petit et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Dichlobenil	1194-65-6	pos.	18.13					Petit et al. (1997)
MCF-7 hER(E)+CP	2,5-Dichlorobiphenyl	34883-39-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,5-Dichlorobiphenyl	34883-39-1				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP	2,6-Dichlorobiphenyl	33146-45-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	3,5-Dichlorobiphenyl	34883-41-5				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	3,5-Dichlorobiphenyl	34883-41-5				pos.	neg.		Gierthy et al. (1997)
HeLa mER(T)+CAT(T)	2,5-Dichloro-2',3'-biphenyldiol		pos.	5.62					Garner et al. (1999)
HeLa mER(T)+CAT(T)	2,5-Dichloro-3',4'-biphenyldiol		pos.	18.62					Garner et al. (1999)
MCF-7 hER(E)+CP	2',5'-Dichloro-2-biphenyldiol	53905-30-9				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	2',5'-Dichloro-3-biphenyldiol	53905-29-6				pos.			Soto et al. (1995)
HeLa mER(T)+CAT(T)	2,5-Dichloro-4'-biphenyldiol	53905-28-5	pos.	20.31					Garner et al. (1999)
MCF-7 hER(E)+CP	2,5-Dichloro-4'-biphenyldiol	53905-28-5				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,5-Dichloro-4'-biphenyldiol	53905-28-5				pos.	pos.		Gierthy et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2,5-Dichloro-4'-biphenyldiol	53905-28-5	pos.	0.62					Coldham et al. (1997)
MCF-7 hER(E)+CP	3,5-Dichloro-2'-biphenyldiol					neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	3,5-Dichloro-4'-biphenyldiol					neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	3,5-Dichloro-4'-diphenyldiol					pos.	pos.		Gierthy et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Dichlorophen	97-23-4	neg.						Miller et al. (2001)
MCF-7 hER(E)+CP	2,4-Dichlorophenol	120-83-2				neg.			Jones et al. (1998)

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ZR-75 hER(E)+CP	2,4-Dichlorophenol	120-83-2				neg.			Jobling et al. (1995)
MCF-7 hER(E)+CP	2,4-Dichlorophenoxyacetic acid	94-75-7				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	2,4-Dichlorophenoxyacetic acid	94-75-7	pos.	17.95					Petit et al. (1997)
MCF-7 hER(E)+CP	4-(2,4-Dichlorophenoxy)butanoic acid	94-82-6				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	1,2-Dichloropropane	78-87-5				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Diclofop-methyl	51338-27-3	pos.	41.41					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Dicofol	115-32-2	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Dicofol	115-32-2				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Dicofol	115-32-2				neg.			Vinggaard et al. (1999)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Dicofol	115-32-2	pos.	0.00001	3				Vinggaard et al. (1999)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Dicyclohexyl phthalate	84-61-7	neg.						Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Dieldrin	60-57-1	pos.						Xenobiotic Detection Systems (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	Dieldrin	60-57-1	pos.	16.87					Hodges et al. (2000)
MCF-7 hER(E)+CP	Dieldrin	60-57-1				neg.			Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP	Dieldrin	60-57-1				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	Dieldrin	60-57-1				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	Dieldrin	60-57-1				neg.	neg.		Arcaro et al. (1998)
MCF-7 hER(T)+CAT(T)	Dieldrin	60-57-1		3.9					Ramamoorthy et al. (1997a)
T47D hER(E)+Luc(S)	Dieldrin	60-57-1	pos.	0.00024	24.49				Legler et al. (1999)
Yeast(<i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	0.000004	20		neg.		Graumann et al. (1999)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	6x (25 µM)*					Ramamoorthy et al. (1997a)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	0.6x (100 µM)*					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	19.22					Petit et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Dienestrol	84-17-3	pos.	25.4					Coldham et al. (1997)
HEC-1 hER () +CAT(T)+ - gal(T)	<i>cis,cis</i> - Diethylhydroxytetrahydrochrysene			0.7	0.003				Sun et al. (1999)
HEC-1 hER () +Luc(T)+ - gal(T)	<i>cis,cis</i> - Diethylhydroxytetrahydrochrysene		pos.	0.04	0.05				Sun et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	<i>cis,cis</i> - Diethylhydroxytetrahydrochrysene		neg.				pos.		Sun et al. (1999)
HEC-1 hER () +Luc(T)+ - gal(T)	<i>cis,cis</i> - Diethylhydroxytetrahydrochrysene		neg.				pos.		Sun et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	R,R- <i>cis,cis</i> - Diethylhydroxytetrahydrochrysene			0.25	0.004				Sun et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	R,R- <i>cis,cis</i> - Diethylhydroxytetrahydrochrysene		neg.				pos.		Sun et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	S,S- <i>cis,cis</i> - Diethylhydroxytetrahydrochrysene			2	0.001				Sun et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	S,S- <i>cis,cis</i> - Diethylhydroxytetrahydrochrysene		pos.	0.025	0.4		pos.		Sun et al. (1999)
MCF-7 hER(E)+CP	Diethyl phthalate	84-66-2				neg.			Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Diethyl phthalate	84-66-2	pos.	0.000000005	384				Vinggaard et al. (2000)
ZR-75 hER(E)+CP	Diethyl phthalate	84-66-2				neg.			Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diethyl phthalate	84-66-2	pos.	0.00005					Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Diethylstilbestrol	56-53-1	pos.	66.7	0.000015				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Diethylstilbestrol	56-53-1	pos.	102					Rogers and Denison (2000)
CHO-K1 hER (S)+Luc(S)†	Diethylstilbestrol	56-53-1	pos.		0.0000244				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Diethylstilbestrol	56-53-1	pos.		0.0000189				Otsuka Pharmaceutical (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEK293 hER (T)+Luc(T)+gal(T)	Diethylstilbestrol	56-53-1	pos.	117					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Diethylstilbestrol	56-53-1	pos.	69					Kuiper et al. (1998)
HeLa hER (T)+Luc(T)	Diethylstilbestrol	56-53-1	pos.	51					Sumida et al. (2001)
HeLa mER(T)+CAT(T)*	Diethylstilbestrol	56-53-1	pos.	119 (1 nM)					Shelby et al. (1996)
Ishikawa hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Jones et al. (1998)
MCF-7 hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	0.4	0.0005				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	100x (0.01 µM)*					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	1	0.0002				Arnold et al. (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	74.3					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	157	0.000353				Gaido et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	25	0.0029				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	120	0.0043				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	100					Petit et al. (1999)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.		0.0003				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.		0.0001				Morito et al. (2001a)
Yeast(<i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	8x (0.1 µM)*					Lascombe et al. (2000)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEC-1 hER () +CAT(T)+ -gal(T)	(5R,11R)-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	63			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T)	(5R,11R)-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		neg.	0			pos.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T)	(5S,11S)-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	82			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T)	(5S,11S)-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	72			pos.		Meyers et al. (1999)
HeLa hER def(S)+Luc(S)	Dihexyl phthalate	84-75-3	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Dihexyl phthalate	84-75-3		16					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Dihexyl phthalate	84-75-3				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Dihexyl phthalate	84-75-3				neg.			Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Dihexyl phthalate	84-75-3	neg.						Harris et al. (1997)
MCF-7 hER(E)+CP	Dihydrogenistein	21554-71-2				pos.			Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydrogenistein	21554-71-2	pos.		2				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydrogenistein	21554-71-2	pos.		0.05				Morito et al. (2001a)
MCF-7 hER(E)+CP	Dihydroglycine	94105-88-1				neg.			Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydroglycine	94105-88-1	pos.		10				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydroglycine	94105-88-1	pos.		10				Morito et al. (2001a)
BG-1 hER(E)+Luc(T)	5 -Dihydrotestosterone	521-18-6	pos.	9					Rogers and Denison (2000)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	5 -Dihydrotestosterone	521-18-6	pos.	0.00025					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	5 -Dihydrotestosterone	521-18-6	neg.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	5 -Dihydrotestosterone	521-18-6	pos.	0.034					Chen et al. (1997)

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Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	5'-Dihydrotestosterone	521-18-6	pos.	0.0005	0.431				Gaido et al. (1997)
HepG2 hER (T)+Luc(T)+ -gal(T)	4,4'-Dihydroxybenzophenone	611-99-4	pos.	35			neg.	80	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	4,4'-Dihydroxybenzophenone	611-99-4	pos.	40			neg.	110µM	Gaido et al. (2000)
Yeast(S.cer.) hER (S)+ -gal(S)	4,4'-Dihydroxybenzophenone	611-94-4	pos.	0.000025					Miller et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	4,5-Dihydroxybenzo[a]pyrene	37571-88-3	⁹ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	4,5-Dihydroxybenzo[a]pyrene	37571-88-3	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	7,8-Dihydroxybenzo[a]pyrene	60657-25-2	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	7,8-Dihydroxybenzo[a]pyrene	60657-25-2	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	9,10-Dihydroxybenzo[a]pyrene	58886-98-9	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	9,10-Dihydroxybenzo[a]pyrene	58886-98-9	ni						Fertuck et al. (2001a)
MCF-7 hER(E)+CP	4,4'-Dihydroxychalcone	3600-61-1				pos.			Miksicek (1993)
HepG2 hER (T)+Luc(T)+ -gal(T)	Dihydroxy-DDE		pos.	100	0.074		neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Dihydroxy-DDE		pos.	25			pos.	30µM	Gaido et al. (2000)
MCF-7 hER(E)+CP	2,4'-Dihydroxy-4,6-dimethoxydihydrochalcone				2	pos.			Ichikawa et al. (1997)
MCF-7 hER(E)+CP	4,4'-Dihydroxy-2,6-dimethoxydihydrochalcone				0.6	pos.			Ichikawa et al. (1997)
HeLa hER(T)+CAT(T)	4'7-Dihydroxyflavone	2196-14-7	pos.	77					Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	4'7-Dihydroxyflavone	2196-14-7	pos.	45			pos.		Collins-Burow et al. (2000)
MCF-7 hER(E)+CP	Diisobutyl phthalate	84-69-5				pos.			Harris et al. (1997)
Yeast(S.cer.) hER (S)+ -gal(S)	Diisobutyl phthalate	84-69-5	pos.	0.000000001	102				Vinggaard et al. (2000)

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Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diisobutyl phthalate	84-69-5	pos.	0.00001					Harris et al. (1997)
ZR-75 hER(E)+CP	Diisobutyl phthalate	84-69-5				pos.			Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Diisodecyl phthalate	26761-40-0	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Diisodecyl phthalate	26761-40-0		0					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Diisodecyl phthalate	26761-40-0				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Diisodecyl phthalate	26761-40-0				neg.			Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diisodecyl phthalate	26761-40-0	neg.						Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Diisoheptyl phthalate	41451-28-9	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Diisoheptyl phthalate	41451-28-9		0					Zacharewski et al. (1998)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diisohexyl phthalate	71850-09-4	neg.						Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Diisononyl phthalate	28553-12-0	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Diisononyl phthalate	28553-12-0		0					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Diisononyl phthalate	28553-12-0				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	Diisononyl phthalate	28553-12-0				pos.			Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diisononyl phthalate	28553-12-0	weak						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	2,6-Diisopropylnaphthalene	24157-81-1	pos.	0.000000003	53				Vinggaard et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	4,4'-Dimethoxybenzhydrol	728-87-0	weak	10			neg.	95	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	4,4'-Dimethoxybenzhydrol	728-87-0	pos.	10			neg.	100µM	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Dimethoxy-DDE		pos.	30			neg.	95	Gaido et al. (2000)

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HepG2 hER (T)+Luc(T)+ - gal(T)	Dimethoxy-DDE		pos.	15			neg.	80µM	Gaido et al. (2000)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	7,12-Dimethylbenz[<i>a</i>]anthracene	57-97-6	neg.				neg.	102	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ - gal(S)	7,12-Dimethylbenz[<i>a</i>]anthracene	57-97-6					neg.		Tran et al. (1996)
MCF-7 hER(E)+CP	Dimethyl isophthalate	1459-93-4				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Dimethyl isophthalate	1459-93-4	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Dimethyl phthalate	131-11-3	neg.						Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Dimethyl sulfoxide	67-68-5							Connor et al. (1997)
HeLa hER (T)+Luc(T)	Dimethyl sulfoxide	67-68-5	neg.	11.1					Sumida et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Dimethyl sulfoxide	67-68-5	pos.	0.03					Charles et al. (2000b)
MCF-7 hER(E)+CP	Dimethyl sulfoxide	67-68-5							Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP(F)	Dimethyl sulfoxide	67-68-5				neg.	neg.		Arcaro et al. (1999b)
MCF-7 hER(E)+Luc(T)	Dimethyl sulfoxide	67-68-5		0					Sumida et al. (2001)
MCF-7 hER(T)+CAT(T)	Dimethyl sulfoxide	67-68-5	pos.	100					Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	Dimethyl sulfoxide	67-68-5		3.9					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ - gal(S)	Dimethyl sulfoxide	67-68-5	pos.	17.94					Petit et al. (1997)
MCF-7 hER(E)+CP	Dimethylterephthalate	120-61-6				neg.			Soto et al. (1995)
HEC-1 hER () +CAT(T)+ - gal(T)	(5 <i>R</i> ,11 <i>R</i>)-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	75			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	(5 <i>R</i> ,11 <i>R</i>)-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		neg.	11			pos.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	(5 <i>S</i> ,11 <i>S</i>)-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	88			neg.		Meyers et al. (1999)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEC-1 hER () +CAT(T)+ - gal(T)	(5S,11S)-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	86			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	5,11-trans -Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	93			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	5,11-trans -Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	80			neg.		Meyers et al. (1999)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	2,4-Dinonylphenol	137-99-5	pos.	0.000002	100				Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	Dinonyl phthalate	84-76-4				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Dinoseb	88-85-7				neg.			Soto et al. (1995)
HeLa hER def(S)+Luc(S)	Di-n -octyl phthalate	117-84-0	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Di-n -octyl phthalate	117-84-0		0					Zacharewski et al. (1998)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Di-n -octyl phthalate	117-84-0	neg.						Harris et al. (1997)
HeLa hER(T)+CAT(T)	Diosgenin	512-04-9	neg.	21.25					Miksicek (1994)
BG-1 hER(E)+Luc(S)	1,4-Dioxane	123-91-1	neg.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diphenyl phthalate	84-62-8	neg.						Harris et al. (1997)
HEC-1 hER () +CAT(T)+ - gal(T)	5,11-trans -Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	63			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	5,11-trans -Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	45			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	(5R,11R)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	70			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	(5R,11R)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		neg.	0			pos.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	(5S,11S)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	76			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	(5S,11S)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		neg.	10			pos.		Meyers et al. (1999)
BG-1 hER(E)+Luc(S)	Disulfoton	298-04-4	neg.						Xenobiotic Detection Systems (2001)

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MCF-7 hER(E)+CP	Ditridecyl phthalate	119-06-2				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Ditridecyl phthalate	119-06-2				neg.			Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Ditridecyl phthalate	119-06-2	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Diundecyl phthalate	3648-20-2	neg.						Harris et al. (1997)
MCF-7(E3) hER(E)+CP	Diuron	330-54-1				neg.			Vinggaard et al. (1999)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Diuron	330-54-1	pos.	17.08					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Dodecyl gallate	1166-52-5	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Dodecylparaben	2664-60-0	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-sec -Dodecylphenol		pos.	0.0000001	2000				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-sec -Dodecylphenol dipropoxylate		neg.	0					Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Dodemorph	1593-77-7	pos.	16.13					Petit et al. (1997)
COS-1 mER (T)+Lucb(T)	Droloxitene	82413-20-5	pos.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Droloxitene	82413-20-5	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	Droloxitene	82413-20-5	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Droloxitene	82413-20-5	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
BG-1 hER(E)+Luc(S)	- ndosulfan	959-98-8	pos.						Xenobiotic Detection Systems (2001)
ELT-3 hER(T)+Luc(T)+ - gal(T)	- ndosulfan	959-98-8	pos.	6.7					Hodges et al. (2000)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	- ndosulfan	959-98-8				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	- ndosulfan	959-98-8				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	- ndosulfan	959-98-8			10		neg.		Arcaro et al. (1998)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	- ndosulfan	959-98-8	pos.	25.87					Petit et al. (1997)
HEK293 hER (T)+Luc(T)+ gal(T)	, -Endosulfan	115-29-7	pos.	6					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	, -Endosulfan	115-29-7	neg.	1					Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	, -Endosulfan	115-29-7	pos.	6 (1 µM)					Shelby et al. (1996)
MCF-7 hER(E)+CP	, -Endosulfan	115-29-7				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	, -Endosulfan	115-29-7				pos.			Soto et al. (1995)
T47D hER(E)+Luc(S)	, -Endosulfan	115-29-7	pos.	0.001	5.92				Legler et al. (1999)
Yeast(<i>S.cer.</i> 188R1) hER(S)+ -gal(S)	, -Endosulfan	115-29-7	pos.	0.000004	20		neg.		Graumann et al. (1999)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	, -Endosulfan	115-29-7	pos.	16x (25 µM)*					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	, -Endosulfan	115-29-7	pos.	33x (100 µM)*					Ramamoorthy et al. (1997a)
BG-1 hER(E)+Luc(S)	- ndosulfan	33213-65-9	pos.						Xenobiotic Detection Systems (2001)
ELT-3 hER(T)+Luc(T)+ - gal(T)	- ndosulfan	33213-65-9	pos.	6.7					Hodges et al. (2000)
MCF-7 hER(E)+CP	- ndosulfan	33213-65-9				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	- ndosulfan	33213-65-9				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	- ndosulfan	33213-65-9			10		neg.		Arcaro et al. (1998)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	- ndosulfan	33213-65-9	pos.	20.72					Petit et al. (1997)
BG-1 hER(E)+Luc(S)	Endrin	72-20-8	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Endrin	72-20-8	pos.						Xenobiotic Detection Systems (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
BG-1 hER(E)+Luc(S)	Endrin aldehyde	7421-93-4	neg.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Epichlorohydrin	106-89-8	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Epidermal growth factor	62229-50-9				weak			Jones et al. (1998)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	17 -Epitestosterone	481-30-1	neg.						Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	d-Equilenin	517-09-9				pos.			Soto et al. (1995)
CHO-K1 hER (T)+Luc(T)†	Equilin	474-86-2	pos.		0.0000403				Otsuka Pharmaceutical (2001)
CHO-K1 hER (S)+Luc(S)†	Equol	531-95-3	pos.		0.04				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Equol	531-95-3	pos.		0.0134				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Equol	531-95-3				pos.			Morito et al. (2001a)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Equol	531-95-3	pos.	0.085					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Equol	531-95-3	pos.	86.28					Petit et al. (1997)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Equol	531-95-3	pos.		0.4				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Equol	531-95-3	pos.		0.02				Morito et al. (2001a)
CHO-K1 hER (T)+Luc(T)†	17 -Estradiol	57-91-0	pos.		0.0000456				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	17 -Estradiol	57-91-0				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	17 -Estradiol	57-91-0				pos.			Soto et al. (1995)
T47D hER(E)+Luc(T)	17 -Estradiol	57-91-0	pos.	3					Hoogenboom et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	0.015	0.002				Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	0.05	0.004				Routledge and Sumpter (1997)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	5.25					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	14	0.0052				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	4.4	0.14				Le Guevel and Pakdel (2001)
BG-1 hER(E)+Luc(S)	17 -Estradiol	50-28-2	pos.	100	0.00001				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	17 -Estradiol	50-28-2	pos.	100					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	17 -Estradiol	50-28-2	pos.		0.0000123				Otsuka Pharmaceutical (2001)
COS-1 mER (T)+Lucb(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
ELT-3 hER(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Hodges et al. (2000)
HEC-1 hER () +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.		0.000015				Kraichely et al. (2000)
HEC-1 hER () +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.00002				Sun et al. (1999)
HEC-1 hER () +Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.00002				Sun et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.		0.0001				Kraichely et al. (2000)
HEC-1 hER () +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.0001				Sun et al. (1999)
HEC-1 hER () +Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.						Sun et al. (1999)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEK293+hER (S)+Luc(S)	17 -Estradiol	50-28-2	pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	17 -Estradiol	50-28-2	pos.						Meerts et al. (2001)
HEK293 hER (S)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK-293 hER ()+ Luc(T)	17 -Estradiol	50-28-2	pos.	100			pos.	100	Collins-Burow et al. (2000)
HEK-293 hER ()+ Luc(T)	17 -Estradiol	50-28-2	pos.	100				100	Collins-Burow et al. (2000)
HEK293 hER (T)+Luc(T)+gal(T)	17 -Estradiol	50-28-2	pos.	100					Kuiper et al. (1998)
HEK293 hER (S)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)+gal(T)	17 -Estradiol	50-28-2	pos.	100					Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	17 -Estradiol	50-28-2		100					Connor et al. (1997)
HeLa hER def(S)+Luc(S)	17 -Estradiol	50-28-2	pos.	100					Moore et al. (1997)
HeLa hER def(S)+Luc(S)	17 -Estradiol	50-28-2	pos.	100					Zacharewski et al. (1998)
HeLa hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.	100					Sumida et al. (2001)
HeLa hER (T)+Luc(T)+gal(T)	17 -Estradiol	50-28-2	pos.	100	0.00001				Gaido et al. (1999)
HeLa hER (T)+Luc(T)+gal(T)	17 -Estradiol	50-28-2	pos.	100	0.000005				Gaido et al. (1999)
HeLa hER(S)+Luc(S)	17 -Estradiol	50-28-2	pos.		0.00003				Balaguer et al. (1996)
HeLa hER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	100					Miksicek (1993)
HeLa hER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	100	0.00001				Miksicek (1994)
HeLa mER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	100					Garner et al. (1999)
HeLa mER(T)+CAT(T)	17 -Estradiol	50-28-2		100		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	17 -Estradiol	50-28-2	pos.	54x (1 nM)					Makela et al. (1994)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HeLa mER(T)+CAT(T)*	17 -Estradiol	50-28-2	pos.	100 (1 nM)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.004				Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.003		neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.0099				Gould et al. (1998)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.008				Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.007		neg.	100µM	Gaido et al. (2000)
HepG2 hER(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Ramamoorthy et al. (1997b)
HepG2 rER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.001				Gaido et al. (1999)
Ishikawa hER(E)+CP	17 -Estradiol	50-28-2				pos.			Le Guevel and Pakdel (2001)
Ishikawa hER(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	1				100%	Klotz et al. (1997)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.000096				Charles et al. (2000a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	1					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.		0.00058				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Connor et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.00035				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	1	0.00035				Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100					Fielden et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1	0.000053				Matthews et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1	0.000083				Matthews et al. (2001)
MCF-7 hER(E)+CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.					100	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Fielden et al. (1997)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Go et al. (1999)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Harris et al. (1997)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.	pos.		Jones et al. (1998)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2			0.00001	pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Makela et al. (1994)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Mellanen et al. (1996)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Miksicek (1993)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Miodini et al. (1999)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Moore et al. (1997)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Soto et al. (1994)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2			0.00001	pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2			0.0003	pos.			Arcaro et al. (1999b)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2				pos.			Tamir et al. (2000)
MCF-7 hER(E)+Luc(S)	17 -Estradiol	50-28-2			0.0015				Kramer et al. (1997)
MCF-7 hER(E)+Luc(T)	17 -Estradiol	50-28-2	pos.						Yoshihara et al. (2001)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Collins-Burow et al. (2000)
MCF-7 hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.						Jobling et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1					Klotz et al. (1996)
MCF-7 hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1				100%	Klotz et al. (1997)
MCF-7 hER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	312			neg.	100	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	17 -Estradiol	50-28-2		100					Ramamoorthy et al. (1997a)
MCF-7 hER(T)+CAT(T)	17 -Estradiol	50-28-2		100					Ramamoorthy et al. (1997b)
MCF-7 hER(T)+Luc(T)	17 -Estradiol	50-28-2		100					Ramamoorthy et al. (1997b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.00013				Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1	0.00013				Fertuck et al. (2001b)
MCF-7(M) hER(E)+CP	17 -Estradiol	50-28-2				pos.			Collins-Burow et al. (2000)
MCF-7(Bos) hER(E)+CP	17 -Estradiol	50-28-2		100	0.00000122	pos.			Schlumpf et al. (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(BUS) hER(E)+CP	17 -Estradiol	50-28-2				pos.			Schafer et al. (1999)
MCF-7(E3) hER(E)+CP	17 -Estradiol	50-28-2			0.000008	pos.			Vinggaard et al. (1999)
MCF-7(E3) hER(E)+CP	17 -Estradiol	50-28-2			0.00152	pos.			Wiese et al. (1997)
MCF-7(McGrath) hER(E)+CP	17 -Estradiol	50-28-2				pos.			Nakagawa and Suzuki (2001)
MCF-7(MELN41) hER(E)+Luc(S)	17 -Estradiol	50-28-2	pos.		0.0001				Lascombe et al. (2000)
MDA-MB-231 hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.						Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER(T)+Luc(T)	17 -Estradiol	50-28-2	pos.	1					Ramamoorthy et al. (1997b)
T47D hER(E)+CAT(T)	17 -Estradiol	50-28-2	pos.	1					Nakagawa and Suzuki (2001)
T47D hER(E)+CP	17 -Estradiol	50-28-2				pos.			Mellanen et al. (1996)
T47D hER(E)+CP	17 -Estradiol	50-28-2				pos.			Schafer et al. (1999)
T47D hER(E)+CP	17 -Estradiol	50-28-2				pos.			Tamir et al. (2000)
T47D hER(E)+Luc(S)	17 -Estradiol	50-28-2	pos.	100	0.000006				Legler et al. (1999)
T47D hER(E)+Luc(S)	17 -Estradiol	50-28-2			0.00001				Meerts et al. (2001)
T47D hER(E)+Luc(T)	17 -Estradiol	50-28-2	pos.	100					Hoogenboom et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	17 -Estradiol	50-28-2	pos.	1					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	17 -Estradiol	50-28-2	pos.		0.00011- 0.00056				De Boever et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	17 -Estradiol	50-28-2	pos.	1	0.000051				Elsby et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0002				Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00004				Vinggaard et al. (1999)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00002				Vinggaard et al. (2000)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)+S9	17 -Estradiol	50-28-2	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1					Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0006				Moffat et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00015				Odum et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00013				Rajapakse et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00003				Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0002				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> 188R1) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00007				Graumann et al. (1999)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1				100	Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100x (0.01 µM)*					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0002				Arnold et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	17 -Estradiol	50-28-2		100x (0.01 µM)*					Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ3503) hER(S)+ -gal(S)	17 -Estradiol	50-28-2		1	0.00009				Ramamoorthy et al. (1997b)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100	0.000225				Gaido et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100	0.00074				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100	0.0052				Le Guevel and Pakdel (2001)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100					Petit et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100					Petit et al. (1999)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100x (0.1 µM)*			pos.	100	Chen et al. (1997)
Yeast(<i>S.cer.</i> ER hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1			neg.	100	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	17 -Estradiol	50-28-2						100	Tran et al. (1996)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00002				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00025				Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00002				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.0002				Morito et al. (2001b)
Yeast(<i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.						Lascombe et al. (2000)
ZR-75 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Jobling et al. (1995)
ZR-75 hER(E)+CP	17 -Estradiol	50-28-2							Nakagawa and Suzuki (2001)
ZR-75-1 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Schafer et al. (1999)
T47D hER(E)+Luc(T)	Estradiol benzoate	50-50-0	pos.	25					Hoogenboom et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Estradiol benzoate	50-50-0	pos.	0.08	0.0018				Odum et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol-3 -D -gluconate	15270-30-1	neg.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol-3 -D -gluconate	15270-30-1	pos.	0.32					Coldham et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Estradiol glucuronide	1806-98-0	neg.	0					Routledge and Sumpter (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	17 -Estradiol-3-glucuronide-17-sulfate		neg.	0					Coldham et al. (1997)
T47D hER(E)+Luc(T)	17 -Estradiol oleate	82204-99-7	pos.	1					Hoogenboom et al. (2001)
T47D hER(E)+Luc(T)	17 -Estradiol palmitate	126143-99-5	pos.	5					Hoogenboom et al. (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.003					Beresford et al. (2000)
Yeast(S.cer.) hER (S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.00003					Beresford et al. (2000)
Yeast(S.cer.) hER (S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.1					Beresford et al. (2000)
Yeast(S.cer.) hER(S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.15	0.02				Routledge and Sumpter (1996)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.01					Coldham et al. (1997)
MCF-7(E3) hER(E)+CP	6,8-Estrapentaene-3,17 -diol	1423-97-8			0.0125	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	6-Estratetraene-3,17 -diol	7291-41-0			0.00419	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	7-Estratetraene-3,17 -diol	3563-27-7			0.00154	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	9-Estratetraene-3,17 -diol	791-69-5			0.099	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-1,17 -diol	126654-96-4			1.59	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-2,17 -diol	2259-89-4			0.033	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,16 -diol	1090-04-6			0.237	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,17 -diol				0.382	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-4,17 -diol	17592-89-1			4.76	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,11 ,17 -triol	1464-61-5			0.0365	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,11 ,17 -triol	5444-22-4			0.0163	pos.			Wiese et al. (1997)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Estratriene-3,6 ,17 -triol	1229-24-9	pos.	3.2	0.003				Charles et al. (2000a)
MCF-7(E3) hER(E)+CP	Estratriene-3,6 ,17 -triol	1229-24-9			0.186	pos.			Wiese et al. (1997)

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MCF-7 hER def(T)+Luc(T)+ - gal(T)	Estratriene-3,6 ,17 -triol	3583-03-7	pos.	0.32	0.03				Charles et al. (2000a)
MCF-7(E3) hER(E)+CP	Estratriene-3,6 ,17 -triol	3583-03-7			0.0571	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,7 ,17 -triol	3398-11-6			0.153	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,7 ,17 -triol	2487-46-9			0.0122	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratrien-17 -ol	2529-64-8			0.316	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratrien-3-ol	53-63-4			0.118	pos.			Wiese et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Estratrien-3-ol	53-63-4	pos.	0.05	0.0032				Odum et al. (1997)
MCF-7 hER(E)+CP	Estriol	50-27-1				pos.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Estriol	50-27-1			0.0483	pos.			Wiese et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Estriol	50-27-1	pos.	0.025	0.008				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Estriol	50-27-1	pos.	0.63					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Estriol	50-27-1	pos.	0.004	0.0616				Gaido et al. (1997)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Estriol	50-27-1	pos.	13.5	0.00071				Charles et al. (2000a)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Estriol	50-27-1	pos.	75					Petit et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Estrone	53-16-7	pos.		0.0000193				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	Estrone	53-16-7				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Estrone	53-16-7	pos.	1.5	0.0063				Charles et al. (2000a)
MCF-7 hER(E)+CP	Estrone	53-16-7				pos.			Makela et al. (1994)
MCF-7 hER(E)+CP	Estrone	53-16-7				pos.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Estrone	53-16-7			0.0772	pos.			Wiese et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
T47D hER(E)+CP	Estrone	53-16-7				pos.			Makela et al. (1994)
T47D hER(E)+Luc(T)	Estrone	53-16-7	pos.	100					Hoogenboom et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Estrone	53-16-7	pos.	0.67	0.0003				Routledge and Sumpster (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Estrone	53-16-7	pos.	9.6					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Estrone	53-16-7	pos.	35	0.0021				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Estrone	53-16-7	pos.	19	0.022				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Estrone	53-16-7	pos.	74					Petit et al. (1999)
HeLa hER(T)+CAT(T)	Ethanol	64-17-5	pos.	26					Miksicek (1993)
MCF-7 hER(E)+CP	Ethanol	64-17-5				neg.			Go et al. (1999)
MCF-7 hER(E)+CP	Ethanol	64-17-5				neg.			Harris et al. (1997)
MCF-7 hER(E)+CP	Ethanol	64-17-5				neg.			Jones et al. (1998)
T47D hER(E)+Luc(S)	Ethanol	64-17-5	neg.						Meerts et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Ethanol	64-17-5	neg.	0	0				Vinggaard et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Ethanol	64-17-5	neg.						Harris et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Ethanol	64-17-5	pos.	14					Petit et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Ethanol	64-17-5	pos.	11					Petit et al. (1999)
ZR-75 hER(E)+CP	Ethanol	64-17-5				neg.			Harris et al. (1997)
CHO-K1 hER (S)+Luc(S)†	17 -Ethinyl estradiol	57-63-6	pos.		0.0000073				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	17 -Ethinyl estradiol	57-63-6	pos.		0.0000144				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	17 -Ethinyl estradiol	57-63-6				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	17 -Ethinyl estradiol	57-63-6				pos.			Soto et al. (1995)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	17 -Ethinyl estradiol	57-63-6	pos.	88.8					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) hER(S)+ -gal(S)	17 -Ethinyl estradiol	57-63-6	pos.	120	0.00062				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	17 -Ethinyl estradiol	57-63-6	pos.	147	0.0036				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	S-Ethyl dipropylthiocarbamate	759-94-4	pos.	16.76					Petit et al. (1997)
Yeast(S.cer.) hER(S)+ -gal(S)	2-Eethylhexyl isodecyl phthalate	53272-22-3	neg.						Harris et al. (1997)
Yeast(S.cer.) hER (S)+ -gal(S)	Ethylhexyl salicylate	118-60-5	pos.	<0.0000001					Miller et al. (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	Ethylparaben	120-47-8	pos.	0.000005					Miller et al. (2001)
MCF-7 hER(E)+CP	4-Ethylphenol	123-07-9				neg.			Soto et al. (1995)
Yeast(S.cer.) hER(S)+ -gal(S)	4-Ethylphenol	123-07-9	neg.						Routledge and Sumpter (1997)
Yeast(S.cer.) hER (S)+ -gal(S)	Ethyl vanillin	121-32-4	neg.						Miller et al. (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	Eugenol	97-53-0	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	Famphur	52-85-7	neg.						Xenobiotic Detection Systems (2001)
MCF-7(E3) hER(E)+CP	Fenarimol	60168-88-9			2	pos.	pos.		Vinggaard et al. (1999)
Yeast(S.cer.) hER (S)+ -gal(S)	Fenarimol	60168-88-9	pos.	0.000003	12				Vinggaard et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Fenbuconazole	14369-43-6	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER (T)+Luc(T)	Fenvalerate	51630-58-1	neg.	9.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Fenvalerate	51630-58-1				pos.			Go et al. (1999)
HEK-293 hER ()+ Luc(T)	Flavone	525-82-6	neg.	0			pos.	0	Collins-Burow et al. (2000)
HEK-293 hER ()+ Luc(T)	Flavone	525-82-6	neg.	0			pos.	35.1	Collins-Burow et al. (2000)

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HEK293 hER (T)+Luc(T)+gal(T)	Flavone	525-82-6	pos.	2					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Flavone	525-82-6	pos.	2					Kuiper et al. (1998)
MCF-7 hER(E)+CP	Flavone	525-82-6				neg.			Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Flavone	525-82-6	neg.	0			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Flavone	525-82-6				neg.	pos.		Collins-Burow et al. (2000)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Fluazifop-butyl	69806-50-4	pos.	16.87					Petit et al. (1997)
MCF-7 hER(E)+CP(F)	Fluoranthene	206-44-0				neg.	neg.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Fluoranthene	206-44-0	neg.				neg.	96	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Fluoranthene	206-44-0					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Fluorene	86-73-7	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Fluorene	86-73-7	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Fluorene	86-73-7				neg.	neg.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Fluorene	86-73-7	neg.				neg.	101	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Fluorene	86-73-7					neg.		Tran et al. (1996)
CHO-K1 hER (T)+Luc(T)†	Flutamide	13311-84-7	neg.		0				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Formononetin	485-72-3	pos.	6			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Formononetin	485-72-3	pos.	2			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Formononetin	485-72-3	pos.	58.75	0.3				Miksicek (1994)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Formononetin	485-72-3	pos.	0.0056					Coldham et al. (1997)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Formononetin	485-72-3	neg.				pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Formononetin	485-72-3	pos.		16		pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Gallic acid	149-91-7	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	Genistein	446-72-0	pos.	0.016	0.062				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Genistein	446-72-0	pos.	70					Rogers and Denison (2000)
CHO-K1 hER (S)+Luc(S)†	Genistein	446-72-0	pos.		0.0273				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Genistein	446-72-0	pos.		0.00423				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Genistein	446-72-0	pos.	198			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Genistein	446-72-0	pos.	182			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Genistein	446-72-0	pos.	123.75	0.09				Miksicek (1994)
HeLa mER(T)+CAT(T)	Genistein	446-72-0		26		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	Genistein	446-72-0	pos.	17x (100 nM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Genistein	446-72-0				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Genistein	446-72-0				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Genistein	446-72-0				neg.	pos.		Miodini et al. (1999)
MCF-7 hER(E)+CP	Genistein	446-72-0				pos.			Morito et al. (2001a)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Genistein	446-72-0	pos.	83			pos.		Collins-Burow et al. (2000)
T47D hER(E)+CP	Genistein	446-72-0				pos.	neg.		Makela et al. (1994)
T47D hER(E)+Luc(S)	Genistein	446-72-0	pos.	0.06	0.1				Legler et al. (1999)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		76.4-1.40				De Boever et al. (2001)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Genistein	446-72-0	pos.	0.0001					Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Genistein	446-72-0	pos.	0.0008	0.038				Routledge and Sumpster (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Genistein	446-72-0	pos.	0.049					Coldham et al. (1997)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		3				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		16		neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		0.1				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		0.25		neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	5-OMe-Genistein		neg.				pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	5-OMe-Genistein		pos.		20		pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	7-OMe-Genistein		neg.				pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	7-OMe-Genistein		pos.				pos.		Morito et al. (2001b)
MCF-7 hER(E)+CP	Genistin	529-59-9				pos.			Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	neg.						Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	neg.				neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	pos.		10				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	neg.				neg.		Morito et al. (2001b)
HeLa hER(T)+CAT(T)	Gibberellic acid	77-06-5	neg.	7.25					Miksicek (1994)
MCF-7 hER(E)+CP(F)	Glabridin	59870-68-7				pos.	neg.		Tamir et al. (2000)
T47D hER(E)+CP	Glabridin	59870-68-7				pos.	neg.		Tamir et al. (2000)

Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Glycitein	40957-83-3				neg.			Morito et al. (2001a)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Glycitein	40957-83-3	neg.						De Boever et al. (2001)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitein	40957-83-3	pos.		30				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitein	40957-83-3	pos.		1				Morito et al. (2001a)
MCF-7 hER(E)+CP	Glycitin					neg.			Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitin			neg.					Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitin			neg.					Morito et al. (2001a)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Glyphosate	1071-83-6	pos.	15.84					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	HEPES	7365-45-9	neg.				neg.		Moffat et al. (2001)
BG-1 hER(E)+Luc(S)	Heptachlor	76-44-8	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Heptachlor	76-44-8				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Heptachlor	76-44-8				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CAT(T)+ -gal(T)	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3	neg.				pos.	65	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3				neg.	pos.		Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER (T)+Luc(T)	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3					pos.		Bonefeld-Jørgensen et al. (2001)
HeLa hER def(S)+Luc(S)	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3	weak	9			pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8	weak	3			pos.		Moore et al. (1997)
MCF-7 hER(E)+CP	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8				neg.	pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3,4',5,5'-6-Heptachloro-4-biphenylol	158076-68-7	pos.	7			pos.		Moore et al. (1997)
MCF-7 hER(E)+CP	2,2',3,4',5,5'-6-Heptachloro-4-biphenylol	158076-68-7				neg.	pos.		Moore et al. (1997)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>n</i> -Heptylphenol	1987-50-4	pos.	0.000015	13.3				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>tert</i> -Heptylphenol		pos.	0.0003	0.6				Routledge and Sumpter (1997)
BG-1 hER(E)+Luc(S)	Hexachlorobenzene	118-74-1	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Hexachlorobenzene	118-74-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2				pos.			Soto et al. (1995)
MCF-7 hER(E)+CAT(T)+ - gal(T)	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	neg.				pos.	36	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2				neg.	pos.		Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER (T)+Luc(T)	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2					pos.		Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CAT(T)+ - gal(T)	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1	neg.				pos.	41	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1				neg.	pos.		Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER (T)+Luc(T)	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1					pos.		Bonefeld-Jørgensen et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2		0			pos.		Fielden et al. (1997)
MCF-7 hER(E)+CP	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2				pos.	pos.		Fielden et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3,3',4',5-Hexachloro-4-biphenylol	158076-62-1	neg.	3			neg.		Moore et al. (1997)
MCF-7 hER(E)+CP	2,2',3,3',4',5-Hexachloro-4-biphenylol	158076-62-1				neg.	pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7	neg.	0			pos.		Moore et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3,3',4',5,5'-Hexachloro-4-biphenylol	158076-63-2			3.8		pos.		Kramer et al. (1997)
MCF-7 hER(E)+CP	-Hexachlorocyclohexane	319-85-7			3	pos.			Payne et al. (2001)
CHO-K1 hER (T)+Luc(T)†	-Hexachlorocyclohexane	319-85-7	neg.		0				Otsuka Pharmaceutical (2001)

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HEK293 hER (S)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- γ -2-benzopyrene		neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- γ -2-benzopyrene		pos.						Seinen et al. (1999)
HEK293 hER (S)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- γ -2-benzopyrene		neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- γ -2-benzopyrene		neg.						Seinen et al. (1999)
MCF-7 hER(E)+CP	Hexazinone	51235-04-2				neg.			Soto et al. (1995)
HeLa hER(T)+CAT(T)	Hexestrol	84-16-2	pos.		0.0002				Miksicek (1993)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Hexestrol	84-16-2	pos.	30.6					Coldham et al. (1997)
Yeast(S.cer.) hER(S)+ -gal(S)	Hexyl decyl phthalate		neg.						Harris et al. (1997)
Yeast(S.cer.) hER(S)+ -gal(S)	Hexyl 2-ethylhexyl phthalate		neg.						Harris et al. (1997)
MCF-7 hER(E)+CP	4-Hexyloxyphenol	18979-55-0				neg.			Soto et al. (1995)
Yeast(S.cer.) hER(S)+ -gal(S)	4- <i>tert</i> -Hexylphenol	2446-69-7	pos.	0.0002	1				Routledge and Sumpster (1997)
Yeast(S.cer.) hER (S)+ -gal(S)	Hexyl salicylate	6259-76-3	neg.						Miller et al. (2001)
MCF-7(Bos) hER(E)+CP	Homosalate	118-56-9		36.81	1.56	pos.			Schlumpf et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[λ]naphtho(2,3- d)thiophene		weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[λ]naphtho(2,3- d)thiophene		weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2-Hydroxybenzo[c]phenanthrene	22717-94-8	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	2-Hydroxybenzo[c]phenanthrene	22717-94-8	weak						Fertuck et al. (2001b)

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MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxy-benzo[]phenanthro(2,3-d)thiophene		pos.	2.2	0.16				Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	3-Hydroxy-benzo[]phenanthro(2,3-d)thiophene		pos.	3.25	0.04				Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	1-Hydroxybenzo[a]pyrene	13345-23-8		0.004	3.2				Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	1-Hydroxybenzo[a]pyrene	13345-23-8		0.004	3.2				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[a]pyrene	13345-21-6	pos.	1.6					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[a]pyrene	13345-21-6	*wi						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[a]pyrene	13345-21-6		0.062	0.21				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	(+)-trans -7,8-Hydroxybenzo[a]pyrene	61443-57-0	neg.	0					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	7-Hydroxybenzo[a]pyrene	37994-82-4	wi						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	7-Hydroxybenzo[a]pyrene	37994-82-4		0.03	0.43				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	trans -9,10-Hydroxybenzo[a]pyrene		pos.	0.2					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	9-Hydroxybenzo[a]pyrene	17573-21-6	pos.	1.12					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	9-Hydroxybenzo[a]pyrene	17573-21-6		0.011	1.2				Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	9-Hydroxybenzo[a]pyrene	17573-21-6		0.03	0.43				Fertuck et al. (2001a)
MCF-7 hER(E)+CP	3-Hydroxybisphenol A					pos.			Nakagawa and Suzuki (2001)

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MCF-7 hER(E)+CP	1-Hydroxychlordene	2597-11-7				pos.			Soto et al. (1995)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	2-Hydroxychrysene	65945-06-4	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	2-Hydroxychrysene	65945-06-4	pos.	2.1	0.063				Fertuck et al. (2001b)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	6-Hydroxychrysene	37515-51-8	neg.				pos.	74	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	6-Hydroxychrysene	37515-51-8					pos.	71	Tran et al. (1996)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	7-Hydroxycoumarin	93-35-6	neg.						Miller et al. (2001)
HeLa mER(T)+CAT(T)	2-Hydroxyestradiol	362-05-0	pos.	29.42					Garner et al. (1999)
T47D hER(E)+Luc(T)	2-Hydroxyestradiol	362-05-0	pos.	0.015					Hoogenboom et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	2-Hydroxyestradiol	362-05-0	pos.	0.003	0.0195				Elsby et al. (2001)
HeLa mER(T)+CAT(T)	4-Hydroxyestradiol	5976-61-4	pos.	38.78					Garner et al. (1999)
T47D hER(E)+Luc(T)	4-Hydroxyestradiol	5976-61-4	pos.	45					Hoogenboom et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	2-Hydroxyestriol	1232-80-0	pos.	0.0048	2				Charles et al. (2000a)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	16 -Hydroxyestriol		pos.	9.6	0.001				Charles et al. (2000a)
T47D hER(E)+Luc(T)	2-Hydroxyestrone	362-06-1	pos.	0.065					Hoogenboom et al. (2001)
T47D hER(E)+Luc(T)	4-Hydroxyestrone	3131-23-5	pos.	0.54					Hoogenboom et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	11 -Hydroxyestrone	6803-21-0	pos.	0.096	0.1				Charles et al. (2000a)
MCF-7 hER(E)+CP	16-Hydroxyestrone	18186-49-7				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	N- -Hydroxyethyl oleyl imidazoline		neg.						Routledge and Sumpter (1996)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	2-Hydroxy-5-methylchrysene		weak						Fertuck et al. (2001b)

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MCF-7 mER def(T)+Luc(T)+ - gal(T)	2-Hydroxy-5-methylchrysene		pos.	0.09	0.32				Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	8-Hydroxy-5-methylchrysene		weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ - gal(T)	8-Hydroxy-5-methylchrysene		weak						Fertuck et al. (2001b)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>N</i> -(4-Hydroxyphenyl)stearamide	103-99-1	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-Hydroxyprogesterone	650-66-8	neg.	0					Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> ER) hER(S)+ - gal(S)	1-Hydroxypyrene	5315-79-7	neg.				neg.	104	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	1-Hydroxypyrene	5315-79-7					neg.		Tran et al. (1996)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	8-Hydroxyquinoline	148-24-3	neg.						Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	4-Hydroxytamoxifen	68047-06-3	neg.		0		pos.		Otsuka Pharmaceutical (2001)
COS-1 mER (T)+Lucb(T)	4-Hydroxytamoxifen	68047-06-3	pos.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Tremblay et al. (1998)
HEK-293 hER ()+ Luc(T)	4-Hydroxytamoxifen	68047-06-3							Collins-Burow et al. (2000)
HEK-293 hER ()+ Luc(T)	4-Hydroxytamoxifen	68047-06-3							Collins-Burow et al. (2000)
HeLa hER(T)+CAT(T)	4-Hydroxytamoxifen	68047-06-3					pos.		Miksicek (1994)
HeLa mER(T)+CAT(T)*	4-Hydroxytamoxifen	68047-06-3	pos.	36x (10 nM)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+ - gal(T)	4-Hydroxytamoxifen	68047-06-3	pos.				pos.		Gould et al. (1998)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	4-Hydroxytamoxifen	68047-06-3	neg.	0			pos.		Collins-Burow et al. (2000)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+Luc(T)+ - gal(T)	4-Hydroxytamoxifen	68047-06-3					pos.		Jobling et al. (1995)
MCF-7 hER(E)+Luc(T)+ - gal(T)	4-Hydroxytamoxifen	68047-06-3					pos.		Klotz et al. (1996)
MCF-7(M) hER(E)+CP	4-Hydroxytamoxifen	68047-06-3					pos.		Collins-Burow et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-Hydroxytamoxifen	68047-06-3					pos.		Moffat et al. (2001)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	pos.	0.0073			pos.		Coldham et al. (1997)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Morito et al. (2001b)
MCF-7 hER(E)+CP	6-Hydroxytetralin	1125-78-6				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	6-Hydroxytetralin	1125-78-6	pos.	0.0000007	70				Elsby et al. (2001)
COS-1 mER (T)+Lucb(T)	Hydroxytoremifene	110503-62-3	pos.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Hydroxytoremifene	110503-62-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	Hydroxytoremifene	110503-62-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Hydroxytoremifene	110503-62-3	neg.				pos.		Tremblay et al. (1998)
HeLa hER(S)+Luc(S)	ICI 164,384	98007-99-9					pos.		Balaguer et al. (1996)
HeLa hER(T)+CAT(T)	ICI 164,384	98007-99-9	neg.	6.7			pos.		Miksicek (1993)
HeLa hER(T)+CAT(T)	ICI 164,384	98007-99-9					pos.		Miksicek (1994)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	ICI 164,384	98007-99-9							Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	ICI 164,384	98007-99-9					pos.		Fielden et al. (1997)
MCF-7 hER(E)+CP	ICI 164,384	98007-99-9				neg.			Miksicek (1993)

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MCF-7(E3) hER(E)+CP	ICI 164,384	98007-99-9					pos.		Wiese et al. (1997)
MCF-7(MELN41) hER(E)+Luc(S)	ICI 164,384	98007-99-9					pos.		Lascombe et al. (2000)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	pos.	0.003			pos.	18.4	Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	neg.						Arnold et al. (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	pos.	0.00002	14.5				Gaido et al. (1997)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	neg.	0			pos.	65	Chen et al. (1997)
COS-1 mER (T)+Lucb(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
ELT-3 hER(T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8					pos.		Hodges et al. (2000)
HEK293 hER (T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.	1					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	pos.	2			neg.		Kuiper et al. (1998)
HeLa mER(T)+CAT(T)	ICI 182,780	129453-61-8					pos.		Garner et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.				pos.		Gould et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.	0			pos.		Charles et al. (2000a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.				pos.		Charles et al. (2000b)
MCF-7 hER(E)+CAT(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.				pos.	90	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	ICI 182,780	129453-61-8							Bonefeld-Jørgensen et al. (2001)

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MCF-7 hER(E)+Luc(T) ⁺ - gal(T)	ICI 182,780	129453-61-8					pos.		Jobling et al. (1995)
MCF-7(Bos) hER(E)+CP	ICI 182,780	129453-61-8					pos.		Schlumpf et al. (2001)
MCF-7(E3) hER(E)+CP	ICI 182,780	129453-61-8					pos.		Vinggaard et al. (1999)
MCF-7(McGrath) hER(E)+CP	ICI 182,780	129453-61-8				neg.	pos.		Nakagawa and Suzuki (2001)
MDA-MB-231 hER (T)+Luc(T)	ICI 182,780	129453-61-8					pos.		Bonefeld-Jørgensen et al. (2001)
T47D hER(E)+Luc(S)	ICI 182,780	129453-61-8					pos.		Legler et al. (1999)
T47D hER(E)+Luc(S)	ICI 182,780	129453-61-8					pos.	0.00001	Meerts et al. (2001)
Yeast(<i>S.cer.</i>) hER (S) ⁺ - gal(S)	ICI 182,780	129453-61-8	pos.	0.00003			neg.		Beresford et al. (2000)
Yeast(<i>S.cer.</i> YRG-2) hER (S) ⁺ -gal(S)	ICI 182,780	129453-61-8	pos.	5x (1 µM)*			neg.		Lascombe et al. (2000)
ZR-75 hER(E)+CP	ICI 182,780	129453-61-8							Nakagawa and Suzuki (2001)
MCF-7(E3) hER(E)+CP	Imazalil	35554-44-0				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Indanestrol	71855-45-3				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Indanestrol-A					pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Indanestrol-B					pos.			Soto et al. (1995)
BG-1 hER(E)+Luc(S)	Indeno(1,2,3, <i>cd</i>)pyrene	193-39-5	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP(F)	Indeno(1,2,3, <i>cd</i>)pyrene	193-39-5				neg.	pos.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S) ⁺ - gal(S)	Indeno(1,2,3, <i>cd</i>)pyrene	193-39-5	neg.				neg.	101	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S) ⁺ -gal(S)	Indeno(1,2,3, <i>cd</i>)pyrene	193-39-5					neg.		Tran et al. (1996)
MCF-7(E3) hER(E)+CP	2-Iodoestratrien-17 -ol	107900-35-6			1.7	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	3-Iodoestratrien-17 -ol	38605-46-8			0.174	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Iodoestratrien-17 -ol	107900-36-7			1.67	pos.			Wiese et al. (1997)

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HEK293 hER (T)+Luc(T)+gal(T)	Ipriflavone	35212-22-7	pos.	11			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Ipriflavone	35212-22-7	pos.	3			neg.		Kuiper et al. (1998)
MCF-7(E3) hER(E)+CP	Iprodion	36734-19-7				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Irganox 1640					neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone		neg.				pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone		pos.		25		pos.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone-7-O -beta-D -glucoside		neg.				neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone-7-O -beta-D -glucoside		neg.				neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Isodecyl tridecyl phthalate	61886-60-0	neg.						Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Isodrin	465-73-6	pos.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Isoeugenol	97-54-1	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Isohexylbenzyl phthalate	1242-92-8	neg.						Harris et al. (1997)
HeLa hER(T)+CAT(T)	Isoleiquiritigenin	961-29-5	pos.	79					Miksicek (1993)
MCF-7 hER(E)+CP	4-Isopentylphenol	1805-61-4				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Ixorhapontigenin	32507-66-7				pos.			Mellanen et al. (1996)
MCF-7 hER(E)+CP	Ixorhapontin	32727-29-0				pos.			Mellanen et al. (1996)
HEK-293 hER ()+ Luc(T)	Kaempferide	491-54-3	neg.	0			pos.	8.9	Collins-Burow et al. (2000)
HEK-293 hER ()+ Luc(T)	Kaempferide	491-54-3	neg.	0			pos.	8.1	Collins-Burow et al. (2000)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Kaempferide	491-54-3	pos.	35			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Kaempferide	491-54-3				neg.	pos.		Collins-Burow et al. (2000)

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HEK293 hER (T)+Luc(T)+gal(T)	Kaempferol	520-18-3	pos.	35			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Kaempferol	520-18-3	pos.	53			neg.		Kuiper et al. (1998)
MCF-7(M) hER(E)+Luc(T)+gal(T)	Kaempferol	520-18-3					neg.		Collins-Burow et al. (2000)
BG-1 hER(E)+Luc(T)	Kepone	143-50-0	pos.	30					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Kepone	143-50-0	neg.		0				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+gal(T)	Kepone	143-50-0	pos.	12.62					Hodges et al. (2000)
HEK293 hER (T)+Luc(T)+gal(T)	Kepone	143-50-0	pos.	27			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Kepone	143-50-0	neg.	1			neg.		Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	Kepone	143-50-0	pos.	6 (1 µM)					Shelby et al. (1996)
MCF-7 hER(E)+CP	Kepone	143-50-0				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	Kepone	143-50-0				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+-gal(S)	Kepone	143-50-0	pos.	28.36					Petit et al. (1997)
MCF-7(E3) hER(E)+CP	6-Ketoestradiol	571-92-6			0.00338	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	7-Ketoestratriene-3,17 -diol	3398-12-7			0.016	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	11-Ketoestratriene-3,17 -diol	571-65-3			8.97	pos.			Wiese et al. (1997)
CHO-K1 hER (T)+Luc(T)†	11-Ketotestosterone	564-35-2	neg.		0				Otsuka Pharmaceutical (2001)
CHO-K1 hER (S)+Luc(S)†	Levonorgestrel	797-63-7	neg.		0				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Levonorgestrel	797-63-7	pos.		0.33				Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+-gal(S)	Levonorgestrel	797-63-7	pos.	0.0004					Coldham et al. (1997)
BG-1 hER(E)+Luc(S)	Lindane	58-89-9	pos.						Xenobiotic Detection Systems (2001)

Sorted by Substance and Assay

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CHO-K1 hER (T)+Luc(T)†	Lindane	58-89-9	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Lindane	58-89-9				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Lindane	58-89-9	pos.	47.75					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Linuron	330-55-2	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7(E3) hER(E)+CP	Linuron	330-55-2				neg.			Vinggaard et al. (1999)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Luteolin	491-70-3	pos.	25			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Luteolin	491-70-3					pos.		Collins-Burow et al. (2000)
MCF-7 hER(E)+CP	Malathion	121-75-5				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Maneb	12427-38-2				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Melengesterol acetate	2919-66-6	pos.	4.4	0.11				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Menthyl salicylate	89-46-3	pos.	<0.000005					Miller et al. (2001)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Mestranol	72-33-3	pos.	7.3					Coldham et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Methomyl	16752-77-5	neg.	0.06			pos.	36%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Methomyl	16752-77-5		0.06				28%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Methoprene	40596-69-8				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Methoxybisphenol A		neg.				pos.		Elsby et al. (2001)
BG-1 hER(E)+Luc(S)	Methoxychlor	72-43-5	pos.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Methoxychlor	72-43-5	neg.		0				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	Methoxychlor	72-43-5	pos.	10.55					Hodges et al. (2000)

Sorted by Substance and Assay

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HEK293 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	9					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	2					Kuiper et al. (1998)
HeLa hER (T)+Luc(T)	Methoxychlor	72-43-5	pos.	81					Sumida et al. (2001)
HeLa mER(T)+CAT(T)*	Methoxychlor	72-43-5	pos.	6 (1 µM)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	25			neg.	85	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	10			neg.	75µM	Gaido et al. (2000)
MCF-7 hER(E)+CP	Methoxychlor	72-43-5				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Methoxychlor	72-43-5				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	Methoxychlor	72-43-5				pos.			Soto et al. (1995)
MCF-7 hER def(T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	0.0008	12				Charles et al. (2000a)
T47D hER(E)+Luc(S)	Methoxychlor	72-43-5	pos.	0.001	5.7				Legler et al. (1999)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.	0.00001					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.		0.00066-10.3				De Boever et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.	0.00001	4.45		neg.		Elsby et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.	0.00001	4.38				Elsby et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)	Methoxychlor	72-43-5	neg.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)+S9*	Methoxychlor	72-43-5	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+gal(S)	Methoxychlor	72-43-5	pos.	0.000032	4.8				Odum et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+gal(S)	Methoxychlor	72-43-5	pos.	0.0033					Coldham et al. (1997)

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Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Methoxychlor	72-43-5	pos.	0.0000001	1200				Gaido et al. (1997)
HeLa hER (T)+Luc(T)+S9*	Methoxychlor	72-43-5	pos.	137					Sumida et al. (2001)
BG-1 hER(E)+Luc(T)	<i>o,p'</i> -Methoxychlor	30667-99-3	pos.	18					Rogers and Denison (2000)
T47D hER(E)+Luc(T)	2-Methoxyestrone	362-08-3	pos.	0.15					Hoogenboom et al. (2001)
T47D hER(E)+Luc(T)	4-Methoxyestrone		pos.	0.14					Hoogenboom et al. (2001)
MCF-7(Bos) hER(E)+CP	3-(4-Methylbenzylidene)camphor	36861-47-9		79.54	3.02	pos.			Schlumpf et al. (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	4,4'-Methylenebis(2,6-di- <i>tert</i> -butylphenol)	118-82-1	neg.						Miller et al. (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	2,2'-Methylenebis(4-methyl-6- <i>tert</i> -butylphenol)	119-47-1	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	2-Methylnaphthalene	91-57-6	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer.) hER(S)+ -gal(S)	4-Methyl-2-nonylphenol		pos.	0.00003	6				Routledge and Sumpter (1997)
Yeast(S.cer.) hER (S)+ -gal(S)	Methylparaben	99-76-3	pos.	0.0000003					Miller et al. (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	Methyl parathion	298-00-0	pos.	19.1					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	1-Methyl-1-phenylindan	79034-12-1					neg.		Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†+S9*	1-Methyl-1-phenylindan	79034-12-1					pos.		Otsuka Pharmaceutical (2001)
Yeast(S.cer.) hER (S)+ -gal(S)	Methyl salicylate	119-36-8	neg.						Miller et al. (2001)
CHO-K1 hER (S)+Luc(S)†	Methyltestosterone	58-18-4	pos.		0.00573				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Methyltestosterone	58-18-4	pos.		0.0158				Otsuka Pharmaceutical (2001)
T47D hER(E)+Luc(S)	Methytrienolone	965-93-5		-	0				Legler et al. (1999)
MCF-7 hER(E)+CP	Metiram	9006-42-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Metolachlor	51218-45-2				neg.			Soto et al. (1995)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	Mifepristone	84371-65-3	neg.		0				Otsuka Pharmaceutical (2001)
BG-1 hER(E)+Luc(S)	Mirex	2385-85-5	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Mirex	2385-85-5	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Mirex	2385-85-5				neg.			Soto et al. (1995)
T47D hER(E)+Luc(S)	3-Monobromobisphenol A		pos.		0.00002				Meerts et al. (2001)
HepG2 hER (T)+Luc(T)+ - gal(T)	Monohydroxy-DDE		pos.	55	0.67		neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Monohydroxy-DDE		pos.	20			pos.	50µM	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Monohydroxymethoxychlor	28463-03-8	pos.	80	0.198		neg.	90	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Monohydroxymethoxychlor	28463-03-8	pos.	15			pos.	50µM	Gaido et al. (2000)
MCF-7 hER(E)+CP	Moxestrol	34816-55-2				pos.			Soto et al. (1995)
CHO-K1 hER (T)+Luc(T)†	Nafoxidine	1845-11-0	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Nafoxidine	1845-11-0	neg.	0					Coldham et al. (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Nafoxidine	1845-11-0	pos.	0.00003	7.72				Gaido et al. (1997)
BG-1 hER(E)+Luc(S)	Naphthalene	91-20-3	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer. ER) hER(S)+ -gal(S)	Naphthalene	91-20-3	neg.				neg.	100	Tran et al. (1996)
Yeast(S.cer. ER179C) hER(S)+ -gal(S)	Naphthalene	91-20-3					neg.		Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	-Naphthoflavone	604-59-1	pos.	0.03			selective		Charles et al. (2000b)
MCF-7 hER(E)+CP	1-Naphthol	90-15-3				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2-Naphthol	135-19-3				neg.			Soto et al. (1995)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
BG-1 hER(E)+Luc(S)	1,2-Naphthoquinone	524-42-5	neg.						Xenobiotic Detection Systems (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Naringenin	480-41-1	pos.	36			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Naringenin	480-41-1	pos.	45			neg.		Kuiper et al. (1998)
HeLa hER(S)+Luc(S)	Naringenin	480-41-1	pos.		1				Balaguer et al. (1996)
HeLa hER(T)+CAT(T)	Naringenin	480-41-1	pos.	26.5					Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Naringenin	480-41-1	pos.	55			pos.		Collins-Burow et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Niacinamide	98-92-0	neg.				neg.		Moffat et al. (2001)
MCF-7(E3) hER(E)+CP	2-Nitroestratriene-3,17 -diol	6298-51-7			33.5	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Nitroestratriene-3,17 -diol	6936-94-3			0.9	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	1-Nitroestratrien-17 -ol	194068-94-3			60.4	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	2-Nitroestratrien-17 -ol	101772-26-3			29.3	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	3-Nitroestratrien-17 -ol	197068-95-4			2.16	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Nitroestratrien-17 -ol	101772-25-2			34.2	pos.			Wiese et al. (1997)
ZR-75 hER(E)+CP	4-Nitrotoluene	99-99-0				neg.			Jobling et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	cis -Nonachlor	5103-73-1		0.09					Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	cis -Nonachlor	5103-73-1		20x (10 µM)*			neg.		Klotz et al. (1996)
MCF-7 hER(E)+Luc(T)+ -gal(T)	trans -Nonachlor	39765-80-5		0.3					Klotz et al. (1996)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	trans -Nonachlor	39765-80-5		12x (10 µM)*			neg.		Klotz et al. (1996)
MCF-7(MELN41) hER(E)+Luc(S)	Nonylphenol	84852-15-3	pos.						Lascombe et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.000004	5				Vinggaard et al. (2000)

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Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Nonylphenol	84852-15-3	pos.	0.00013	1.2				Odum et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Nonylphenol	84852-15-3	pos.	0.00019	0.8				Odum et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.005					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.0002	1.1				Gaido et al. (1997)
Yeast(<i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	3.2x (10 µM)*					Lascombe et al. (2000)
BG-1 hER(E)+Luc(T)	<i>n</i> - Nonylphenol	25154-52-3	pos.	76					Rogers and Denison (2000)
HEK293 hER (T)+Luc(T)+ gal(T)	<i>n</i> - Nonylphenol	25154-52-3	pos.	62					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	<i>n</i> - Nonylphenol	25154-52-3	pos.	34					Kuiper et al. (1998)
MCF-7 hER(E)+CP	<i>n</i> - Nonylphenol	25154-52-3				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	<i>n</i> - Nonylphenol	25154-52-3				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>n</i> - Nonylphenol	25154-52-3	pos.	0.000008	0.8		neg.		Moffat et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>o</i> -Nonylphenol	136-83-4	neg.						Routledge and Sumpter (1997)
CHO-K1 hER (S)+Luc(S)†	<i>p</i> -Nonylphenol	104-40-5	pos.		0.0356				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	<i>p</i> -Nonylphenol	104-40-5	pos.		0.0845				Otsuka Pharmaceutical (2001)
HeLa mER(T)+CAT(T)*	<i>p</i> -Nonylphenol	104-40-5	pos.	89 (5 µM)					Shelby et al. (1996)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.	pos.		Jones et al. (1998)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.			Soto et al. (1995)
T47D hER(E)+Luc(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.023	0.26				Legler et al. (1999)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)+S9*	<i>p</i> -Nonylphenol	104-40-5	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.000046					Harris et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	neg.						Odum et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.002	0.02				Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00003	6.6				Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.0022					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	92.09					Petit et al. (1997)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.		10				Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.		3				Morito et al. (2001a)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	<i>p</i> -Nonylphenol benzoate ester		neg.						Odum et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Nonylphenol diethoxylate		pos.	39.64					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-Nonylphenol diethoxylate		pos.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-Nonylphenol diethoxylate		pos.	0.0000003	666				Routledge and Sumpter (1997)

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Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Nonylphenol heptaethoxylate		pos.	21.34					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	4-Nonylphenoxy carboxylic acid		pos.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	1-O -(Nonylphenyl)- , -D -glucopyranosiduric acid		neg.				neg.		Moffat et al. (2001)
HeLa hER(T)+CAT(T)	Nordihydroguaiaretic acid	500-38-9	neg.	20					Miksicek (1994)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Nordihydroguaiaretic acid	500-38-9	pos.	<0.000002					Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Norethindrone	68-22-4	pos.		0.0281				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Norgestrel	6533-00-2	pos.		0.242				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	19-Nortestosterone	434-22-0	pos.		0.212				Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	19-Nortestosterone	434-22-0	neg.						Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	Octachlorostyrene	29082-74-4				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Octadecyl-3-(3',5'-di- <i>t</i> -butyl-4-hydroxyphenyl)propionate	2082-79-3	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Octrizole	3147-75-9	neg.						Miller et al. (2001)
MCF-7(Bos) hER(E)+CP	Octyldimethyl- <i>p</i> -aminobenzoic acid	21245-02-3		51.77	2.63	pos.			Schlumpf et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	<i>n</i> -Octyl gallate	1034-01-1	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Octyl isodecyl phthalate	1330-96-7	neg.						Harris et al. (1997)
MCF-7(Bos) hER(E)+CP	Octyl methoxycinnamate	5466-77-3		61.9	2.37	pos.			Schlumpf et al. (2001)
BG-1 hER(E)+Luc(T)	Octylphenol	27193-28-8	pos.	14					Rogers and Denison (2000)
MCF-7 hER(E)+CP	Octylphenol	27193-28-8				pos.			Dodge et al. (1996)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Octylphenol	27193-28-8	pos.						Jobling et al. (1995)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Octylphenol	27193-28-8	pos.	0.001	0.2				Arnold et al. (1996)
ZR-75 hER(E)+CP	Octylphenol	27193-28-8				pos.			Jobling et al. (1995)
HEK293 hER (T)+Luc(T)+ gal(T)	4-Octylphenol	1806-26-4	pos.	61					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	4-Octylphenol	1806-26-4	pos.	57					Kuiper et al. (1998)
MCF-7 hER(E)+CP	4-Octylphenol	1806-26-4				pos.	pos.		Jones et al. (1998)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Octylphenol	1806-26-4	pos.	0.003					Coldham et al. (1997)
CHO-K1 hER (T)+Luc(T)†	4- <i>tert</i> -Octylphenol	140-66-9	neg.		0				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+ gal(T)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	70					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	51					Kuiper et al. (1998)
MCF-7 hER(E)+CP	4- <i>tert</i> -Octylphenol	140-66-9				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	4- <i>tert</i> -Octylphenol	140-66-9				pos.			Korner et al. (1998)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	neg.						Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.0002					Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.0000014	14				Vinggaard et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)+S9*	4- <i>tert</i> -Octylphenol	140-66-9	pos.						Yoshihara et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.00004	0.15		neg.		Moffat et al. (2001)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.003	0.01				Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.0016	0.05				Routledge and Sumpter (1997)

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Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.00036					Coldham et al. (1997)
MCF-7 hER(E)+CP	5-Octylphenol					pos.			Soto et al. (1995)
Yeast(S.cer.) hER(S)+ -gal(S)	1-O -(Octylphenyl)- , -D -glucopyranosiduronic acid		neg.				neg.		Moffat et al. (2001)
T47D hER(E)+Luc(S)	Org 2058	24320-06-7		-	0				Legler et al. (1999)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Oxamyl	23135-22-0	neg.	0.07			pos.	39%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Oxamyl	23135-22-0		0.07				29%	Klotz et al. (1997)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	Paraquat	4685-14-7	pos.	17.99					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Parathion	56-38-2	neg.	0.03			pos.	35%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Parathion	56-38-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Parathion	56-38-2		0.03				45%	Klotz et al. (1997)
BG-1 hER(E)+Luc(T)	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	pos.	17					Rogers and Denison (2000)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8		45			neg.		Fielden et al. (1997)
MCF-7 hER(E)+CP	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8				pos.	neg.		Fielden et al. (1997)
MCF-7(McGrath) hER(E)+CP	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4				neg.			Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4							Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP	2,3,3',4,5-Pentachlorobiphenyl	70424-69-0				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,4,5,6-Pentachlorobiphenyl	18259-05-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8					pos.		Gierthy et al. (1997)
MCF-7(McGrath) hER(E)+CP	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8				neg.			Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8							Nakagawa and Suzuki (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HeLa hER def(S)+Luc(S)	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4		11			pos.	18	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4	pos.	222			neg.	98.7	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	pos.	21			pos.	49	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	pos.	175			neg.	85.3	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	neg.	9			pos.	34	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	neg.	82			pos.	73.5	Connor et al. (1997)
MCF-7 hER def(T)+Luc(T)+gal(T)	2,2',4,6,6'-Pentachloro-4-biphenylol			23			neg.		Fielden et al. (1997)
MCF-7 hER(E)+CP	2,2',4,6,6'-Pentachloro-4-biphenylol					pos.	neg.		Fielden et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3,3',4,4'-Pentachloro-2-biphenylol	150975-80-7			>4.5		pos.		Kramer et al. (1997)
HEK293 hER (T)+Luc(T)+gal(T)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	1			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	1			neg.		Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	11			pos.	45	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4	neg.	0			pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9	neg.	4			pos.		Moore et al. (1997)
MCF-7 hER(E)+CP	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9				neg.	pos.		Moore et al. (1997)
MCF-7 hER(E)+Luc(S)	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4			4		pos.		Kramer et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9			>4.7		pos.		Kramer et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	28			pos.	50	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	pos.	24			neg.	76	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	neg.	39			pos.	41.1	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	neg.	12			pos.	34	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	neg.	30			pos.	54.6	Connor et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3',4,4',5'-Pentachloro-3-biphenylol	150975-81-8			>4.5		pos.		Kramer et al. (1997)

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MCF-7 hER(E)+Luc(S)	2,3',4,4',5-Pentachloro-3-biphenylol	170946-11-9			4.3		pos.		Kramer et al. (1997)
MCF-7 hER(E)+CP	2',3',4',5,5'-Pentachloro-2-biphenylol	67651-36-9				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(S)	2',3,4',5,5'-Pentachloro-4-biphenylol	149589-56-0			4.5		pos.		Kramer et al. (1997)
MCF-7 hER(E)+Luc(S)	3,3',4',5,5'-Pentachloro-4-biphenylol	130689-92-8			>4.5		pos.		Kramer et al. (1997)
MCF-7(E3) hER(E)+CP	Pentachlorophenol	87-86-5				neg.			Vinggaard et al. (1999)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Pentachlorophenol	87-86-5	pos.	12.1					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	4-n -Pentylphenol	14938-35-3	pos.	0.00002	10				Routledge and Sumpter (1997)
HeLa hER (T)+Luc(T)	Permethrin	52645-53-1	neg.	9.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Permethrin	52645-53-1				pos.			Go et al. (1999)
BG-1 hER(E)+Luc(S)	Perylene	198-55-0	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP(F)	Phenanthrene	85-01-8				neg.	neg.		Arcaro et al. (1999b)
Yeast(<i>S.cer.</i> ER) hER(S)+ -gal(S)	Phenanthrene	85-01-8	neg.				neg.	99	Tran et al. (1996)
Yeast(<i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Phenanthrene	85-01-8					neg.		Tran et al. (1996)
CHO-K1 hER (T)+Luc(T)†	Phenobarbital, sodium salt	57-30-7	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Phenol	108-95-2				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Phenol	108-95-2	neg.						Miller et al. (2001)
HEK293+hER (S)+Luc(S)	4-Phenoxyphenol	831-82-3	pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	4-Phenoxyphenol	831-82-3	pos.						Meerts et al. (2001)
T47D hER(E)+Luc(S)	4-Phenoxyphenol	831-82-3	pos.		0.0000058		neg.		Meerts et al. (2001)
HEC-1 hER () +CAT(T)+ -gal(T)	1-Phenyl-3,5,p -hydroxyphenyl-4-ethylpyrazole			0.1	0.1				Sun et al. (1999)
BG-1 hER(E)+Luc(S)	2-Phenyl indole	948-65-2	pos.						Xenobiotic Detection Systems (2001)

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Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Phenyl salicylate	118-55-8	pos.	0.000003					Miller et al. (2001)
BG-1 hER(E)+Luc(S)	4-Phenyl toluene	644-08-6	pos.						Xenobiotic Detection Systems (2001)
HEK293 hER (T)+Luc(T)+ gal(T)	Phloretin	60-82-2	pos.	49			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	Phloretin	60-82-2	pos.	10			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Phloretin	60-82-2	pos.	18.9					Miksicek (1993)
HeLa hER(T)+CAT(T)	Phloretin	60-82-2	pos.	98.75	0.3				Miksicek (1994)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Phloretin	60-82-2	pos.	40			pos.		Collins-Burow et al. (2000)
MCF-7 hER(E)+CP	Piceatannol	10083-24-6				neg.			Mellanen et al. (1996)
MCF-7 hER(E)+CP	Picloram	1918-02-1				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Picloram	1918-02-1	pos.	14.43					Petit et al. (1997)
MCF-7 hER(E)+CP	Pinosylvin	22139-77-1				pos.			Mellanen et al. (1996)
HeLa hER(T)+CAT(T)	Podocarpic acid	5947-49-9	pos.	33.75					Miksicek (1994)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 15		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 28		neg.				neg.		Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 30		pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 30		weak						Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 30		pos.		3.4		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 32		pos.		5.1		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 47		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 51		pos.		3.1		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 71	32534-81-9	pos.		7.3		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 75		pos.		2.9		neg.		Meerts et al. (2001)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 77		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 85		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 99		neg.				neg.		Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 100		neg.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 100		pos.						Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 100		pos.		2.5		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 119		pos.		3.9		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 138		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 153		neg.				pos.	3.1	Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 166		neg.				pos.	0.8	Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 190		neg.				pos.	1	Meerts et al. (2001)
MCF-7(E3) hER(E)+CP	Prochloraz	67747-09-5				neg.			Vinggaard et al. (1999)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Prochloraz	67747-09-5	pos.	13.75					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Procymidone	32809-16-8	neg.		0				Otsuka Pharmaceutical (2001)
BG-1 hER(E)+Luc(T)	Progesterone	57-83-0	neg.	0					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Progesterone	57-83-0	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Progesterone	57-83-0				neg.	neg.		Jones et al. (1998)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Progesterone	57-83-0	neg.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Progesterone	57-83-0	neg.	0					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Progesterone	57-83-0	pos.	14					Petit et al. (1999)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	17 -Progesterone	2000-66-0	neg.						Routledge and Sumpter (1996)

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Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	17 ,20 -Progesterone		neg.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	Promegestone	34184-77-5	neg.	0					Chen et al. (1997)
MCF-7 hER(E)+CP	Propazine	139-40-2				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Propham	122-42-9	pos.	17.64					Petit et al. (1997)
MCF-7(E3) hER(E)+CP	Propiconazole	60207-90-1				neg.			Vinggaard et al. (1999)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	Propoxylated 4-nonylphenol		neg.	0					Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	n -Propyl gallate	121-79-9	neg.						Miller et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Propylparaben	94-13-3	pos.	0.00003					Miller et al. (2001)
MCF-7 hER(E)+CP	4-Propylphenol	645-56-7				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER(S)+ - gal(S)	4-Propylphenol	645-56-7	pos.	0.0000005	4000				Routledge and Sumpter (1997)
CHO-K1 hER (T)+Luc(T)†	Propylthiourea	927-67-3	neg.		0				Otsuka Pharmaceutical (2001)
HEC-1 hER () +CAT(T)+ - gal(T)	4-Propyl-1,3,5-tris(4-hydroxyphenyl)pyrazole		pos.		0.0002				Kraichely et al. (2000)
HEC-1 hER () +CAT(T)+ - gal(T)	4-Propyl-1,3,5-tris(4-hydroxyphenyl)pyrazole			2	0.001				Sun et al. (1999)
HEC-1 hER () +CAT(T)+ - gal(T)	4-Propyl-1,3,5-tris(4-hydroxyphenyl)pyrazole		neg.				weak		Kraichely et al. (2000)
MCF-7(E3) hER(E)+CP	Propyzamide	23950-58-5				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Pseudodiethylstilbestrol	39011-86-4				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Pseudodiethylstilbestrol-e	81493-97-2				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Pseudodiethylstilbestrol-z	85546-05-0				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Purpurogallin	569-77-7	neg.						Miller et al. (2001)

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BG-1 hER(E)+Luc(S)	Pyrene	129-00-0	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP(F)	Pyrene	129-00-0				neg.	neg.		Arcaro et al. (1999b)
CHO-K1 hER (T)+Luc(T)†	Pyrethrins	8003-34-7	neg.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Pyrethrins	8003-34-7				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Pyrethrins	8003-34-7				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Pyrethrins	8003-34-7				neg.			Soto et al. (1995)
HEK293 hER (T)+Luc(T)+gal(T)	Quercetin	117-39-5	pos.	3			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Quercetin	117-39-5	pos.	2			neg.		Kuiper et al. (1998)
MCF-7 hER(E)+CP	Quercetin	117-39-5				neg.	pos.		Miodini et al. (1999)
MCF-7(E3) hER(E)+CP	Quintozene	82-68-8				neg.			Vinggaard et al. (1999)
COS-1 mER (T)+Lucb(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
HepG2 hER (T)+Luc(T)+gal(T)	Raloxifene	84449-90-1	neg.				pos.		Gould et al. (1998)
MCF-7 hER(E)+CP(F)	Raloxifene	84449-90-1				neg.	pos.		Arcaro et al. (1998)
MCF-7 hER(E)+CP(F)	Raloxifene	84449-90-1					pos.		Arcaro et al. (1999a)
Yeast(<i>S.cer.</i>) hER (S)+gal(S)	Resorcinol monobenzoate	136-36-7	pos.	0.00001					Miller et al. (2001)
MCF-7 hER(E)+CP	Resveratrol	501-36-0				neg.			Mellanen et al. (1996)
BG-1 hER(E)+Luc(T)	<i>trans</i> -Retinoic acid	302-79-4	neg.	0					Rogers and Denison (2000)
T47D hER(E)+Luc(S)	<i>trans</i> -Retinoic acid	302-79-4	neg.		0				Legler et al. (1999)

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CHO-K1 hER (T)+Luc(T)†	Rimsulfuron	122931-48-0	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Rotenone	83-79-4				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Salicyclic acid	69-72-7	neg.						Miller et al. (2001)
HeLa hER(T)+CAT(T)	Sarsasapogenin	126-19-2	neg.	13.75					Miksicek (1994)
BG-1 hER(E)+Luc(S)	Silvex	93-72-1	neg.						Xenobiotic Detection Systems (2001)
HeLa hER(S)+Luc(S)	Simazine	122-34-9	pos.		3				Balaguer et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Simazine	122-34-9	neg.	0			neg.		Connor et al. (1996)
MCF-7 hER(E)+CP	Simazine	122-34-9				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Sissotorin	5928-26-7	neg.				neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Sissotorin	5928-26-7	pos.				neg.		Morito et al. (2001b)
MCF-7 hER(E)+CP	-Sitostanol	83-45-4				pos.			Mellanen et al. (1996)
CHO-K1 hER (T)+Luc(T)†	-Sitosterol	83-46-5	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER(T)+CAT(T)	-Sitosterol	83-46-5	neg.	16.25					Miksicek (1994)
MCF-7 hER(E)+CP	-Sitosterol	83-46-5				pos.			Mellanen et al. (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	-Sitosterol	83-46-5	pos.	0.000005	49.2				Gaido et al. (1997)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Sodium lignosulfonate	8061-51-6	neg.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Sodium n -nonyl sulfate	1072-15-7	neg.						Routledge and Sumpter (1996)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Sodium n -octyl sulfate	142-31-4	neg.						Routledge and Sumpter (1996)
T47D hER(E)+CP	Spruce Lignan	9005-53-2				neg.			Mellanen et al. (1996)
MCF-7 hER(E)+Luc(T)	<i>trans</i> -Stilbene	103-30-0	pos.	48					Sumida et al. (2001)

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HeLa hER (T)+Luc(T)+S9	<i>trans</i> -Stilbene	103-30-0	pos.	155.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Styrene	100-42-5				neg.			Soto et al. (1995)
HeLa hER (T)+Luc(T)	Sumithrin	26002-80-2	neg.	7.4					Sumida et al. (2001)
MCF-7 hER(E)+CP	Sumithrin	26002-80-2				pos.			Go et al. (1999)
BG-1 hER(E)+Luc(T)	Tamoxifen	10540-29-1	neg.	0			pos.		Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Tamoxifen	10540-29-1	neg.		0		pos.		Otsuka Pharmaceutical (2001)
HEK-293 hER ()+ Luc(T)	Tamoxifen	10540-29-1	pos.	8.7			pos.	8.1	Collins-Burow et al. (2000)
HEK-293 hER ()+ Luc(T)	Tamoxifen	10540-29-1	pos.	8.9			pos.	15.6	Collins-Burow et al. (2000)
HEK293 hER (T)+Luc(T)+gal(T)	Tamoxifen	10540-29-1	pos.	6			pos.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Tamoxifen	10540-29-1	pos.	2			neg.		Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	Tamoxifen	10540-29-1	pos.	36 (1 µM)					Shelby et al. (1996)
MCF-7 hER(E)+CP	Tamoxifen	10540-29-1				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Tamoxifen	10540-29-1					pos.		Korner et al. (1998)
MCF-7(M) hER(E)+Luc(T)+-gal(T)	Tamoxifen	10540-29-1					pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Tamoxifen	10540-29-1				neg.	pos.		Collins-Burow et al. (2000)
T47D hER(E)+Luc(S)	Tamoxifen	10540-29-1					pos.		Legler et al. (1999)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Tamoxifen	10540-29-1					pos.		Routledge and Sumpter (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Tamoxifen	10540-29-1	pos.	0.0047					Coldham et al. (1997)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tamoxifen	10540-29-1	neg.						Morito et al. (2001a)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tamoxifen	10540-29-1	neg.						Morito et al. (2001a)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	cis -Tamoxifen	13002-65-8				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	Tamoxifen citrate	54965-24-1	neg.	0			pos.	36.4	Chen et al. (1997)
MCF-7 hER(E)+CP	Tamoxifen metabolite E	68684-63-9				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectoridin	611-40-5	neg.				neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectoridin	611-40-5	pos.				neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectorigenin	548-77-6	pos.		2		neg.		Morito et al. (2001b)
Yeast(<i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectorigenin	548-77-6	pos.		6.2		weak		Morito et al. (2001b)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Terbacil	5902-51-2	pos.	17.87					Petit et al. (1997)
BG-1 hER(E)+Luc(T)	Testosterone	58-22-0	neg.	0					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Testosterone	58-22-0	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Testosterone	58-22-0	pos.	0.0001					Beresford et al. (2000)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Testosterone	58-22-0	neg.						Routledge and Sumpster (1996)
Yeast(<i>S.cer.</i>) hER(S)+ -gal(S)	Testosterone	58-22-0	neg.	0					Routledge and Sumpster (1997)
Yeast(<i>S.cer.</i> .939) hER(S)+ -gal(S)	Testosterone	58-22-0	pos.	0.014					Chen et al. (1997)
Yeast(<i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Testosterone	58-22-0	neg.						Arnold et al. (1996)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Testosterone	58-22-0	pos.	0.001					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Testosterone	58-22-0	pos.	0.000005	50.9				Gaido et al. (1997)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Testosterone	58-22-0	neg.						Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-E CZ) rtER(S)+ -gal(S)	Testosterone	58-22-0	pos.	14					Petit et al. (1999)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Tetrabromobisphenol A	79-94-7				pos.			Korner et al. (1998)
T47D hER(E)+Luc(S)	Tetrabromobisphenol A	79-94-7	neg.						Meerts et al. (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Tetrabromobisphenol A	79-94-7	neg.						Miller et al. (2001)
MCF-7 hER(E)+CP	2,2',4,5-Tetrachlorobiphenyl	70362-47-9				pos.			Soto et al. (1995)
MCF-7(McGrath) hER(E)+CP	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3				neg.	neg.		Nakagawa and Suzuki (2001)
T47D hER(E)+CAT(T)	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3	neg.	0					Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3				neg.	neg.		Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP(F)	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5			2	pos.	neg.		Arcaro et al. (1999a)
BG-1 hER(E)+Luc(T)	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	pos.	9					Rogers and Denison (2000)
MCF-7 hER(E)+CP	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,4,5-Tetrachlorobiphenyl	33284-53-6				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	2,3,4,5-Tetrachlorobiphenyl	33284-53-6				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,5,6-Tetrachlorobiphenyl	33284-54-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,4,4',6-Tetrachlorobiphenyl	32598-12-2				pos.			Soto et al. (1995)
BG-1 hER(E)+Luc(T)	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	neg.	0					Rogers and Denison (2000)
MCF-7(McGrath) hER(E)+CP	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5				pos.	neg.		Nakagawa and Suzuki (2001)
T47D hER(E)+CAT(T)	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	pos.	0.8					Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5				weak	neg.		Nakagawa and Suzuki (2001)
MCF-7 hER(E)+Luc(S)	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3			4.3		pos.		Kramer et al. (1997)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3	pos.	0.016					Coldham et al. (1997)
HEK293 hER (T)+Luc(T)+ gal(T)	2,2',4,6'-Tetrachloro-4-biphenyol	150304-08-8	pos.	3			neg.		Kuiper et al. (1998)

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HEK293 hER (T)+Luc(T)+gal(T)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	pos.	3			neg.		Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	pos.	50			pos.	62	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	neg.	69			pos.	63	Connor et al. (1997)
MCF-7 hER(E)+CP(F)	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8				pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP	2',3',4',5'-Tetrachloro-3-biphenylol	67651-37-0				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(S)	2',3',4',5'-Tetrachloro-3-biphenylol	67651-37-0			4.1		pos.		Kramer et al. (1997)
HEK293 hER (T)+Luc(T)+gal(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	68					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	41					Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	74			neg.		Moore et al. (1997)
HepG2 hER(T)+Luc(T)+gal(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	61%					Ramamoorthy et al. (1997b)
MCF-7 hER(E)+CP	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7			0.72		neg.		Arcaro et al. (1998)
MCF-7 hER(E)+Luc(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7			>4.7		pos.		Kramer et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		88%					Ramamoorthy et al. (1997b)
MCF-7 hER(T)+Luc(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		81%					Ramamoorthy et al. (1997b)
MDA-MB-231 hER(T)+Luc(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	0.61					Ramamoorthy et al. (1997b)
Yeast(<i>S.cer.</i> BJ3503) hER(S)+-gal(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		0.000003	0.3				Ramamoorthy et al. (1997b)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+-gal(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	0.82					Coldham et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,4',6'-Tetrachloro-4-biphenylol	189578-00-5	pos.	60			pos.	80	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,4',6'-Tetrachloro-4-biphenylol	189578-00-5	neg.	33			pos.	54.6	Connor et al. (1997)
HeLa hER(S)+Luc(S)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6	pos.		0.00003				Balaguer et al. (1996)

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MCF-7 hER- def(T)+Luc(T)+ - gal(T)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6							Clemons et al. (1998)
MCF-7 hER(E)+CP	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6					pos.		Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6				neg.	pos.		Arcaro et al. (1999b)
MCF-7 hER(E)+CP(F)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6				neg.	pos.		Gierthy et al. (1997)
T47D hER(E)+Luc(S)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6					pos.		Legler et al. (1999)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6	pos.	0.26					Coldham et al. (1997)
MCF-7 hER(E)+CP	Tetrachloroethylene	127-18-4				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Tetrachlorvinphos	22248-79-9				neg.			Vinggaard et al. (1999)
MCF-7(E3) hER(E)+CP	Tetradifon	116-29-0				neg.			Vinggaard et al. (1999)
HeLa hER(T)+CAT(T)	2',4',4,6'-Tetrahydroxychalcone	73692-50-9	pos.	85					Miksicek (1993)
MCF-7 hER(E)+CP	Thiram	137-26-8				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Thymol	89-83-8	neg.						Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Toxaphene	8001-35-2	neg.		0				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ - gal(T)	Toxaphene	8001-35-2	pos.	10.06					Hodges et al. (2000)
MCF-7 hER(E)+CP	Toxaphene	8001-35-2				pos.			Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP	Toxaphene	8001-35-2				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	Toxaphene	8001-35-2				pos.			Soto et al. (1995)
MCF-7 hER(T)+CAT(T)	Toxaphene	8001-35-2		4.8		neg.			Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Toxaphene	8001-35-2	pos.	10x (25 µM)*					Ramamoorthy et al. (1997a)
Yeast(<i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Toxaphene	8001-35-2	pos.	0.6x (100 µM)*					Ramamoorthy et al. (1997a)

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CHO-K1 hER (T)+Luc(T)†	Tralomethrin	66841-25-6	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Tralomethrin	66841-25-6				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Tralomethrin	66841-25-6				pos.			Otsuka Pharmaceutical (2001)
HEC-1 hER () +CAT(T)+ -gal(T) <i>trans</i> -3b			pos.	95			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T) <i>trans</i> -3b			pos.	68			pos.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T) <i>trans</i> -3c			pos.	81			neg.		Meyers et al. (1999)
HEC-1 hER () +CAT(T)+ -gal(T) <i>trans</i> -3c			neg.	10			pos.		Meyers et al. (1999)
MCF-7 hER(E)+CP	Transforming Growth Factor (TGF-)					pos.			Miodini et al. (1999)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	-Trenbolone	10161-33-8	neg.						Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Trenbolone acetate	10161-34-9	neg.						Le Guevel and Pakdel (2001)
MCF-7(E3) hER(E)+CP	Triadimefon	43121-43-3				pos.			Vinggaard et al. (1999)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Triadimefon	43121-43-3	pos.	17.24					Petit et al. (1997)
MCF-7(E3) hER(E)+CP	Triadimenol	55219-65-3				pos.			Vinggaard et al. (1999)
T47D hER(E)+Luc(S)	3,3',5-Tribromobisphenol A	6386-73-8	neg.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	4-(2,4,6-Tribromophenoxy)phenol		pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	4-(2,4,6-Tribromophenoxy)phenol		pos.						Meerts et al. (2001)
T47D hER(E)+Luc(S)	4-(2,4,6-Tribromophenoxy)phenol		neg.		0.0001		neg.		Meerts et al. (2001)
MCF-7 hER(E)+CP(F)	2,2',3-Trichlorobiphenyl	38444-78-9				pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	2,2',6-Trichlorobiphenyl	38444-73-4				pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP	2,3,4-Trichlorobiphenyl	55702-46-0				pos.			Soto et al. (1995)

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MCF-7 hER(E)+CP	2,3',5-Trichlorobiphenyl	38444-81-4				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,6-Trichlorobiphenyl	55702-45-9				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,3',6-Trichlorobiphenyl	38444-76-7				neg.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	2,4,6-Trichlorobiphenyl	35693-92-6				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP(F)	3,4',5-Trichlorobiphenyl	38444-88-1				pos.	pos.		Gierthy et al. (1997)
HeLa mER(T)+CAT(T)	2,4,6-Trichloro-3',4'-biphenyldiol		pos.	35.7					Garner et al. (1999)
MCF-7 hER(E)+CP	2,2',5-Trichloro-4-biphenylo1					pos.			Soto et al. (1995)
HEK293 hER (T)+Luc(T)+gal(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8	pos.	77					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8	pos.	62					Kuiper et al. (1998)
HeLa mER(T)+CAT(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8	pos.	44.2					Garner et al. (1999)
HepG2 hER(T)+Luc(T)+gal(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8	pos.	70					Ramamoorthy et al. (1997b)
MCF-7 hER(E)+CP	2',4',6'-Trichloro-4-biphenylo1	14962-28-8				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8			0.22		neg.		Arcaro et al. (1998)
MCF-7 hER(E)+CP(F)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+Luc(S)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8			>4.7		pos.		Kramer et al. (1997)
MCF-7 hER(T)+CAT(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8		95%			.		Ramamoorthy et al. (1997b)
MCF-7 hER(T)+Luc(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8		52%					Ramamoorthy et al. (1997b)
MDA-MB-231 hER(T)+Luc(T)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8	pos.	0.82					Ramamoorthy et al. (1997b)
Yeast(<i>S.cer.</i> BJ3503) hER(S)+ -gal(S)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8		0.00001	0.08				Ramamoorthy et al. (1997b)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2',4',6'-Trichloro-4-biphenylo1	14962-28-8	pos.	1					Coldham et al. (1997)
MCF-7 hER(E)+Luc(S)	3,3',4'-Trichloro-4-biphenylo1	124882-64-0			>4.6		pos.		Kramer et al. (1997)
MCF-7 hER(E)+CP(F)	3,4',5-Trichloro-4-biphenylo1	4400-06-0				pos.	neg.		Gierthy et al. (1997)

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BG-1 hER(E)+Luc(S)	2,4,5-Trichlorophenoxyacetic acid	93-76-5	pos.						Xenobiotic Detection Systems (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Triethanolamine salicylate	2174-16-5	neg.						Miller et al. (2001)
MCF-7 hER(E)+CP	Trifluralin	1582-09-8				neg.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Trifluralin	1582-09-8	pos.	19.32					Petit et al. (1997)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	2,4,5-Trihydroxybutyrophenone	1421-63-2	neg.						Miller et al. (2001)
HepG2 hER (T)+Luc(T)+ - gal(T)	Trihydroxymethoxychlor		pos.	45			neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Trihydroxymethoxychlor		pos.	15			neg.	95µM	Gaido et al. (2000)
BG-1 hER(E)+Luc(T)	3,3',5'-Triiodo-1-thyronine	6893-02-3	neg.	0					Rogers and Denison (2000)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	3,3',5'-Triiodo-1-thyronine	6893-02-3	pos.	18					Petit et al. (1999)
HepG2 hER (T)+Luc(T)+ - gal(T)	Trimethoxymethoxychlor		pos.	20			neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Trimethoxymethoxychlor		pos.	15			neg.	100µM	Gaido et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	1,3,5-Trimethyl-2,4,6-tris(3,5-di- <i>tert</i> -butyl-4-hydroxybenzyl)benzene	1709-70-2	neg.						Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Triphenyltin chloride	639-58-7					pos.		Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	1,3,5-Tris(4- <i>tert</i> -butyl-3-hydroxy-2,6,-dimethylbenzyl)isocyanurate	40601-76-1	neg.						Miller et al. (2001)
MCF-7(MELN41) hER(E)+Luc(S)	Tris-4-(chlorophenyl)methane	27575-78-6	pos.						Lascombe et al. (2000)
Yeast(<i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Tris-4-(chlorophenyl)methane	27575-78-6	pos.	4x (100 uM)*					Lascombe et al. (2000)
MCF-7(MELN41) hER(E)+Luc(S)	Tris-4-(chlorophenyl)methanol	30100-80-8	pos.						Lascombe et al. (2000)
Yeast(<i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Tris-4-(chlorophenyl)methanol	30100-80-8	pos.	6x (100 uM)*					Lascombe et al. (2000)
Yeast(<i>S.cer.</i>) hER (S)+ - gal(S)	Vanillin	121-33-5	neg.						Miller et al. (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	Vinclozolin	50471-44-8	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(<i>S.cer.</i>) hER (S)+ -gal(S)	Vitamin E	59-02-9	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	<i>p</i> -Xylene	106-42-3	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (S)+Luc(S)†	-Zearalanol	26538-44-3	pos.		0.000131				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	-Zearalanol	26538-44-3	pos.		0.0000783				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	-Zearalanol	26538-44-3				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	-Zearalanol	26538-44-3				pos.			Soto et al. (1995)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	-Zearalanol	26538-44-3	pos.	1.3					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	-Zearalanol	26538-44-3	pos.	1.7	0.04				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	-Zearalanol	26538-44-3	pos.	16	0.03				Le Guevel and Pakdel (2001)
Ishikawa hER(E)+CP	-Zearalanol	42422-68-4				pos.			Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	-Zearalanol	42422-68-4	pos.	0.46					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	-Zearalanol	42422-68-4	pos.	0.5	0.16				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	-Zearalanol	42422-68-4	pos.	4.4	0.11				Le Guevel and Pakdel (2001)
Ishikawa hER(E)+CP	Zearalanone	5975-78-0				pos.			Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Zearalanone	5975-78-0	pos.	0.7	0.11				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Zearalanone	5975-78-0	pos.	16	0.032				Le Guevel and Pakdel (2001)
Ishikawa hER(E)+CP	-Zearalenol	36455-72-8				pos.			Le Guevel and Pakdel (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	-Zearalenol	36455-72-8	pos.	50			pos.		Collins-Burow et al. (2000)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	-Zearalenol	36455-72-8	pos.	8.7					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) hER(S)+ -gal(S)	-Zearalenol	36455-72-8	pos.	2.7	0.03				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	-Zearalenol	36455-72-8	pos.	43	0.012				Le Guevel and Pakdel (2001)
HeLa hER(T)+CAT(T)	-Zearalenol	71030-11-0	pos.	59.9					Miksicek (1993)
HeLa hER(T)+CAT(T)	-Zearalenol	71030-11-0	pos.	102.25	0.015				Miksicek (1994)
Ishikawa hER(E)+CP	-Zearalenol	71030-11-0				pos.			Le Guevel and Pakdel (2001)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	-Zearalenol	71030-11-0	pos.	53			pos.		Collins-Burow et al. (2000)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	-Zearalenol	71030-11-0	pos.	0.066					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) hER(S)+ -gal(S)	-Zearalenol	71030-11-0	pos.	0.2	0.28				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	-Zearalenol	71030-11-0	neg.						Le Guevel and Pakdel (2001)
BG-1 hER(E)+Luc(S)	Zearalenone	17924-92-4	pos.	1	0.001				Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Zearalenone	17924-92-4	pos.		0.00729				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+ gal(T)	Zearalenone	17924-92-4	pos.	91			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	Zearalenone	17924-92-4	pos.	27			pos.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Zearalenone	17924-92-4	pos.	99.8					Miksicek (1993)
HeLa hER(T)+CAT(T)	Zearalenone	17924-92-4	pos.	141.25	0.002				Miksicek (1994)
HeLa mER(T)+CAT(T)	Zearalenone	17924-92-4		185		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	Zearalenone	17924-92-4	pos.	100x (100 nM)					Makela et al. (1994)
Ishikawa hER(E)+CP	Zearalenone	17924-92-4				pos.			Le Guevel and Pakdel (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 µM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Zearalenone	17924-92-4				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Zearalenone	17924-92-4				pos.			Soto et al. (1995)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Zearalenone	17924-92-4	pos.	75			pos.		Collins-Burow et al. (2000)
Yeast(<i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Zearalenone	17924-92-4	pos.	0.26					Coldham et al. (1997)
Yeast(<i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Zearalenone	17924-92-4	pos.	0.6	0.13				Le Guevel and Pakdel (2001)
Yeast(<i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Zearalenone	17924-92-4	pos.	8.8	0.062				Le Guevel and Pakdel (2001)
HeLa mER(T)+CAT(T)*	Zeranol	55331-29-8	pos.	103x (1 nM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Zeranol	55331-29-8				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Zeranol	55331-29-8				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Zineb	12122-67-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Ziram	137-30-4				neg.			Soto et al. (1995)

^awi = a compound that, at 10 µM, induces reporter gene expression at <50% of maximal induction caused by 10 nM E2.

^bhi = a compound that, at 10 µM, induces reporter gene expression at <10% of maximal induction caused by 10 nM E2.

† Empty cells indicate that no CASRN could be found

†† Empty cells indicate that no information was provided in the publication

* Indicates the concentration at which the fold increase was reported

**There are at least 93 different assays. Variations include different mammalian cell lines [BG-1, CHO, COS-1, ELT-3, HEK293, HEC-1, HeLa, HEPG2, Ishikawa, MCF-7, MCF-7(M), MCF-7(BUS), MCF-7(E3), MCF-7(McGrath), MCF-7(MEL:N411), MDA-MB-231, T47D, ZR75], and different strains of Yeast, *Saccharomyces cerevisiae* abbreviated as *S.cer.*, [*.188R1*,*939*, *BJ2168*, *BJ2407*,*BJ3505*, *BJ-ECZ*, *YT10-5d*, *ER*, *ER179C*, *Y190*, *YRG-2*]. Sources of the ER were from human (hER), mouse (mER), rainbow trout (rtER) and included either an undefined ER or the *α* or *β* form of the ER. In a few cases the binding domain (def) was used instead of the entire protein. In the mammalian cells either chloramphenicol acetyltransferase (CAT) or luciferase (Luc) was the enzyme induced by transcriptional activation. In the yeast cells *-galactosidase* (*-gal*) was the induced enzyme. Plasmids were either transiently (T) or stably (S) transfected. Some cell lines harbored an endogenous ER (E). A plasmid with *-gal* was sometimes transfected into the mammalian cells as a measure of transfection. In certain assays, cell prolif

Values in italics have been estimated from a graphical representation of the data